

**Minutes
of
33rd Meeting of Academic Council
held on
Thu 2nd & Fri 3rd May 2019
Through VLC**



Directorate of Academics

Bahria University Islamabad

Reference Designators & Terms used in this Document

These designators/terms are meant to introduce clarity, standardisation and ease of reference while consulting or referring to this document.

Example: Item 2213 means item No 13 taken up by the 22nd ACM

Decision on New Item

oonn

Example: Decision 2213 means Decision on Item 2213.

Example: Decision 2213.b means Decision 2213, clause 'b'.

Example: Decision 2213.b.3 means Decision 2213, clause 'b', sub-clause '3'

Decision on $\text{O}_2\text{O}_2(\text{o}|\text{n}|\text{n})$

Previous Item Example: Decision 22(1930) means Decision taken by the 22nd ACM on the previous/review Item 1930.

Example: Decision 22(1930).b means Decision 22(1930), clause 'b'.

Example: Decision 22(1930).b.3 means Decision 22(1930), clause 'b', sub-clause '3'.

Appendage on $\text{O}_3\text{O}_3(\text{o}nn)$

Previous Item Example: Appendage 32 (3028) means appendage attached on Item 28 of 30th ACM during 32nd ACM.

Action Authority, Entity, Official, Person, Unit, Dept, Office, etc required to implement the decision

Responsibility	The supra single Authority, Entity, Official, Person, etc required to: <ul style="list-style-type: none">a. Coordinate the actions taken by the Authorities, Entities, Officials, Persons, Units, Depts, Offices, etc listed against “Action”.b. Report to the Council the progress on the matter, through periodic progress reports and at the meeting of the Council.c. Be responsible to the Competent Authority, and the Council, for the case/issue overall /point/item he or she has been made responsible for.
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Statutory Documents affected	Most decisions of the Academic Council imply amendments to the relevant statutory documents. These amendments shall be processed and incorporated into the said documents forthwith and certainly before the next meeting of the Academic Council. The responsibility of processing the amendments and incorporating them into the statutory documents shall be as per the Registrar Notification 23/2015 dated 25 th May 2015.
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Deadlines Any time period deadlines shall count from the date of issue of the minutes. Time period in days shall imply working days.

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Acronyms & Abbreviations used in this Document

BUAR	Bahria University Academic Rules
PMDC	Pakistan Medical & Dental Council
BUMDC	Bahria University Medical & Dental College
PNC	Pakistan Nursing Council
CH	Credit Hour(s)
CCH	Course Code Handbook
CE	Computer Engineering
CS	Computer Sciences
CSE	Computer & Software Engineering
DIC	Director Islamabad Campus
DIPP	Director IPP
DKC	Director Karachi Campus
DLC	Director Lahore Campus
DNIMA	Director National Institute of Maritime Affairs
DMPRC	Director MPRC (Karachi)
DS	Dental Section BUMDC
EDC	Estimated Date of Completion
EE	Electrical Engineering
EES	Earth & Environmental Sciences
EMBA	Executive Master of Business Administration
EP	Examination Policy
ES	Engineering Sciences
FHB	Faculty Handbook
FYP	Final Year Project
HS	Health Sciences
HSS	Humanities & Social Sciences
iaw	in accordance with
ie	that is
IR	International Relations
MSS	Management & Social Sciences
MS	Management Sciences
NBEAC	National Business Education Accreditation Council
SE	Software Engineering
SHB	Student Handbook
wef	with effect from

Attendance

BUHO

Present

1. Vice Adm (R) Muhammad Shafiq HI(M)	Rector	In Chair
2. Rear Admiral Habib Ur Rehman HI(M)	Pro-Rector	Member
3. Surg Rear Adm Najm Us Saqib Khan HI(M),T.Bt	DG (HS)	Member
4. Cdre (R) Muhammad Hisham SI(M)	Registrar	Member
5. Prof Dr M Najam ul Islam	Dean (ES)	Member
6. Snr. Associate Professor Mr Fazal Wahab	Dir Academics/DQA	Member & Secy
7. Cdre (R) Asim Raza SI(M)	DE	Member
8. Cdre (R) M Mateen Ur Rehman SI(M)	DA	Member
9. Surg Cdr (R) Hamidullah Arif PN	DHS	Member
10. Prof Dr Shehzad Khalid	Dir R&D/ORIC	Member
11. Associate Prof Dr Riaz Ahmed	Dir PGP	Member
12. Snr. Assistant Prof Mr. Khalid Mumtaz Khan	DLDC	Member

In Attendance

13. Cdre (R) Iqbal Javaid SI(M)	DP&D
14. Cdre (R) Muhammad Aslam Khan SI(M)	DF
15. Capt (R) Ahmad Farooq Butt PN	DHR
16. Ms. Sundal Mufti	DSA
17. Senior Assistant Prof Mr Rizwan Aamir	DIT
18. Senior Assistant Prof Mr M Awais Mehmood	DIO
19. Capt (R) Munawwar Ahmad PN	Dy. Registrar (A & C)
20. Capt (R) Azhar Iqbal PN	Dy. Registrar (Academics)
21. Cdr (R) M Khaleeq Khan PN	DD (Coord)
22. Cdr (R) Abdul Ghaffar PN	Dy Director Academics

BUIC

Present

23. Rear Adm (R) Nasir Mahmood HI(M)	DG BUIC	Member
24. Cdre (R) Zahid Iqbal SI(M)	Director	Member
25. Senior Prof Dr Tehseen Ullah Khan	HOD(EES)	Member
26. Senor Prof Dr Syed Abdul Siraj	HOD(Media Studies)	Member
27. Prof Dr Muhammad Arif Khattak	HOD(MS)	Member
28. Prof Dr Atif Raza Jafri	HOD(EE)	Member
29. Associate Prof Muhammad Muzammal	HOD(CS)	Member
30. Associate Prof Dr Awais Majeed	HOD(SE)	Member
31. Associate Prof Dr Azhar Ahmed	HOD(HSS)	Member
32. Senior Assistant Prof Dr.Khalid Javed	HOD(CE)	Member
33. Senior Assistant Prof Dr Noshi Iram Zaman	HOD(PP)	Member
34. Senior Assistant Prof Ms Malieka Farah Deeba	HOD(LAW)	Member

BUKC

Present

35. Rear Adm (R) Mukhtar Khan HI(M)	DG BUKC	Member
36. Cdre (R) Muzammil Hussain SI(M), SE	Director	Member
37. Senior Prof Dr Farooq-e-Azam Cheema	Dean MSS/HOD(HSS)	Member
38. Prof Dr Bashir Ahmad	HOD (MS)	Member
39. Prof Dr Nurgis Yasmeen	HOD (EES)	Member
40. Prof Dr Haroon Ur Rasheed	HOD(EE)	Member
41. Associate Prof Dr Sohaib Ahmed	HOD(SE)	Member
42. Senior Asstt Prof Dr Syed Safdar Rizvi	HOD(CS)	Member
43. Senior Asstt Prof Dr Rizwan Iqbal	HOD (CE)	Member
44. Senior Lecturer Mahe Darakhshan	HOD(Media Studies)	Member

In Attendance

45. Captain Javed Latif Khan TI(M)	CO PNSL
46. Lt Cdr Shakeel Khan PN	TCO PNSL
47. Lt Cdr S Ambreen Nighat Naqvi PN	OI/C Exam PNSL
48. Mr Atta Ur Rehman	Senior Instructor PNSL
49. Mr Mairaj Hussain Jafri	CNSDA Instructor
50. Erum Shafiq	AD (QA)
51. Dr Ghulam Muhammad	PGP Coordinator (CS)
52. Kaleen Ahmed Ghias	Senior Associate Prof (MS)

BULC

Present

53. Cdre (R) Shahid Azmat Wain SI(M)	Director	Member
54. Associate Prof Dr Urooj Sadiq	HOD (PP)	Member
55. Senior Asstt Prof Mr Farhan Saeed Sherazi	HOD(CS&IT)	Member
56. Assistant Prof Dr Muhammad Ahmad	HOD(MS)	Member

In Attendance

57. Mr Muhammad Umair Saeed	Manager QA
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BUMDC

Present

58. Rear Adm (R) Imtiaz Ahmad HI(M)	DG BUMDC	Member
59. Prof Dr Asadullah Khan	Principal & Dean HS	Member
60. Prof Dr Ambreen Usmani	VP/HOD (Antomy)	Member
61. Prof Dr Naheed Sultan	HOD(Surgery)	Member
62. Prof Dr Nasim Karim	HOD(Pharmacology)	Member
63. Prof Dr Iqbal Hussain Udaipurwala	HOD(ENT)	Member
64. Prof Dr Khalida Nasreen Abdullah TI(M)	HOD(Obst and Gynae)	Member
65. Prof Dr Nighat Rukhsana	HOD(Psychology)	Member
66. Prof Dr Hsaan Ali	HOD (Biochemistry)	Member
67. Prof Dr Sameer Shahid Ameen	HOD (Eye)	Member
68. Prof Dr M Sajid Abbas Jaffri	HOD (Medicine)	Member
69. Prof Khalid Mustafa	Ag HOD(Forensic Medicine)	Member
70. Assistant Prof Dr Mehreen Latif	HOD(MDRL)	Member
71. Prof Dr Wahab Bukh Kadri	Principal (DS)	Member
72. Dr Kulsoom Fatima	Vice Princiapl (DS)	Member
73. Dr Mushtaq Ahmed	HOD (Periodontology)	Member
74. Dr Syed Ahmed Umar	HOD (Dental Material)	Member
75. Dr Tabassum A Qadeer	HOD (Orthodontics)	Member
76. Prof Dr Inayat Hussain Thaver	HOD (CHS)	Member
77. Senior Associate Prof Dr Khalid Aziz	Vice Principal (DPT)	Member
78. Lt Cdr Tehmina Kausar	Principal PNNC	Member

In Attendance

79. Brig (R) Prof Dr Syed Parvez Asghar	Prof of Medicine
80. Prof Dr Naveed Faraz	Prof of Pathology
81. Brig (R) Dr Imdad Ali	OI/C Examinations
82. Surg Cdr (R) Akbar Waheed	DD Admissions
83. Dr Talea Hoor	Prof of Pharmacholoy/Incharge DME
84. Dr Iram Saddiq	Prof of Physiology
85. Najm Us Sahar Ilyas	Lecture Islamic Studies (DPT)

IPP

Present

86. Prof Dr Zainab F. Zadeh	Dean/Director	Member
87. Senior Associate Prof Dr Zainab Hussain Bhutto	HOD (IPP)	Member

Proceedings

Preliminaries

Commencement of the Meeting, Opening Remarks of the Chair and Meeting Schedule

1. With the quorum complete, the proceedings commenced at 10:00 hrs with recitation from the Holy Quran and continued till 19:00 hrs on 2nd & 3rd May 2019. The meeting recessed for lunch and prayer at 13:00 hrs and resumed proceedings at 14:15 hrs on both days.
2. In his opening remarks, the Chair prayed to Almighty Allah and begged from Him to give wisdom and strength to this Council to make right decisions. He also stressed the importance for participation in the proceedings while staying focused on the point under deliberation.

Confirmation of the Minutes of the 32nd ACM held on 24 & 25 October 2018

3. The Secretary apprised the Council that:
 - a. Draft minutes of the 32nd ACM were communicated to all members and non-member participants; on 15 November 2018 for comments. No comment or observation was received.
 - b. Consequently, the draft minutes were processed on file for approval of Honorable Rector and subsequently approved minutes were disseminated to all concerned on 27 November 2018 through email.
4. The Minutes of 32nd ACM were tabled for confirmation. Following changes were approved:
 - a. Director International Office pointed out that in the decision of item 3245, a word "excluding BUMDC" may be added after Bahria University. The Council approved the change.
 - b. The following amendments were proposed by Dean ES in the appendage of 32nd ACM under agenda 3247 (course number 3 in semester 5 at page # 380):

For:

Pre-requisite Course Code	Course Code	Course Title	Credit Hours
ITC 226	SEN 310	Web Engineering	3

Read:

Pre-requisite Course Code	Course Code	Course Title	Credit Hours
CSC 113	SEN 310	Web Engineering	3

Decision

5. Minutes of the 32nd ACM held on 24 & 25 October 2018, after incorporation of changes as mentioned in the para 4 above were confirmed by the Council.

Review Items

Item 2009: Indigenous PG Programs (MPhil & PhD) in Basic Health Sciences at BUMDC, Commencement of

Responsibility: Dean HS

Decision of the 32nd ACM

6. The Chair showed concern for delay in pursuing MPhil Bio-Chemistry and MPhil Physiology cases with PMDC. Dean Health Sciences pointed out deficiencies of Animal House and Lab equipment (Power Lab, Vitalograph and EMG Machine) at BUMDC as per PMDC standards.
7. After prolonged discussion, the Council resolved that:
 - a. Dean HS to pursue and expedite the cases of MPhil programs of Biochemistry and Physiology with PMDC for early approval.
 - b. Existing lab equipment be used by MPhil students for optimum utilization of already available resources at BUMDC.
 - c. DG BUMDC is to evaluate alternate options for Animal House away from the College. Facilities of Animal House of Pakistan Army (known as Defence Veterinary Hospital) located near BUMDC may also be explored.
 - d. Point to remain on agenda and progress be reported.

Progress Reported

8. a. Inspection of PMDC is pending for the commencement of MPhil Bio-Chemistry and MPhil Physiology.
- b. Progress on para 3 (b) are as under:
 - (i) Existing lab equipment are being optimally utilized by MPhil students (Anatomy, Pathology and Pharmacology).
 - (ii) Tender bid (both Technical & Financial) for deficient lab equipment (Power lab, Vitalograph and EMG machine) required for the two new MPhil Programs-Biochemistry and Physiology has been opened. Purchase formalities for lab equipment are in process.
- c. Progress on para 3 (c) are as under:
 - (i) Representative of BUMDC visited Military Veterinary Hospital (MVH) which is situated close to our college. Officer In-charge of the establishment told that this space is dedicated for sniffer dogs to conduct security sweep prior to VVIPs visits. There is no space available at MVH for establishment of Animal House.
 - (ii) An alternate place on roof top of BUMDC building has been identified. Drawings and costing for the same are being worked out with assistance of consultant and will be finalized shortly.
 - (iii) An amount of Rupees 2 million for civil works of Animal House has been approved. Tendering formalities for civil works are in process. Budget allocation for the remaining amount (5.5million) is still awaited.

Decision 33(2009)

9. Chair showed satisfaction on the progress. Upon suggestion of Registrar, the Council resolved that BUMDC is to write a Concept Paper covering the following:
- a. Establishment of Post-Graduate College under the umbrella of BUMDC.
 - b. Vision of Post-Graduate College at BUMDC.
 - c. Career progression of the faculty at BUMDC.
 - d. Study to be carry out for utilization of existing PhD Faculty of PNS SHIFA.
10. Detailed concept paper explaining above mentioned topics be presented in next ACM. Progress on other points like establishment of Animal House at BUMDC and PG Programs etc also be viewed.
11. Point to remain on agenda and progress be reported.

Action Required	Action by	Responsibility of
Implementation of the Decision	Dean HS	DG BUMDC
Statutory Documents affected:	-	

Item 2234: Bahria University Lahore Campus - Progress Report

Responsibility: Director BULC

Decision of the 32nd ACM

12. Council showed satisfaction over start of BS Psychology program at BULC. After detailed discussion, the Council approved the following:
- a. Ratification of 5% waiver in academic eligibility criteria to BS Psychology program during Fall-2018 intake.
 - b. 5% waiver in marks to BBA and BS Psychology students in admission eligibility criteria is approved for next one year wef Spring-2019.
 - c. Dropping of point regarding progress of civil works of new BU Campus at Lahore from this forum as it is on agenda of BOG.
13. Point to remain on agenda and progress be reported.

Progress Reported

14. Detail of 5% waiver in admission criterion for BBA and BS (Psychology) availed during admission of Spring-2019 is as under:

Program	No. of Admissions	No. of Admissions availed waiver	% of Applicants availed waiver
BBA	18	04	22%
BS (Psy)	11	-	-

Decision 33 (2234)

15. After discussion, it was decided that waiver in admission criteria to continue for the time being. However, the same will be reviewed in next ACM for further extension of waiver or otherwise after Fall-2019.

16. Point to remain on agenda and progress be reported.

Action Required	Action by	Responsibility of
Implementation of the Decision	Director BULC Director Admissions	Director BULC
Statutory Documents affected: Prospectus		

Item 2334: BBA and MBA Programs - Heuristic and Flipped Classroom methods of Teaching and Evaluation

Responsibility: Director LDC

Decision of the 32nd ACM

17. The Council appreciated the idea of introducing new teaching methods at Bahria University. After prolonged discussion on implementation of Heuristic methods and Flipped class room method, the Council approved following:

- a. Initially, Flipped class teaching methodology to be restricted to the class with small strength like PhD and MS/MPhil etc.
- b. Faculty members to be trained by the LDC in adopting modern teaching techniques. Accordingly, LDC to present detailed progress report covering its implementation and monitoring methodology during every ACM.
- c. All classrooms at all campuses to be converted into smart classrooms gradually.
- d. Point to remain on agenda and progress be reported.

Progress Reported

18. The new methodology in teaching was used in trainings conducted as a part of Faculty Orientation and through foreign trainers in collaboration with USEFP.

19. A specialized training program on flip classroom teaching is scheduled for faculty in Summer- 2019. Detailed progress report is placed at Appendage 33(2334) (page 58).

Decision 33 (2334)

20. After detailed deliberation, the Council resolved the following:

- a. Initially, two class rooms at each Campus (BUIC, BUKC & BULC) be prepared for flipped classroom, whereas, BUIC and BUKC should have the facilities of smart class rooms (lecture recording, IT support including hardware/software and Learning Management System) as a pilot project within six months.
- b. LDC is to conduct training on flipped class teaching method for suitable number of faculty at all campuses (BUIC, BUKC & BULC) during summer semester/semester break.
- c. Dean MSS is to work out and scrutinize the programs/courses to be taught through flipped class room method. Accordingly, paper setting and assessment/examination methodology be also proposed and processed on file for approval of Competent Authority.
- d. Learning Management System is to be developed and implemented by Fall-2019.
- e. LDC is to arrange refresher training on teaching methodologies during summer semester/semester break preferably for entire faculty. However, it should be compulsory for all Lecturers and Assistant Professors in all Campuses including BUMDC.

21. Point to remain on agenda and progress be reported.

Action Required	Action by	Responsibility of
Implementation of the Decision	Director LDC, Dean HS, Dean MSS, Director IT, Director BUIC, Director BUKC & Director BULC	Director LDC
Statutory Documents affected:	-	

Item 2432: MS Supply Chain Management at BUKC - Progress

Item 2619: MS in HRM & Organizational Psychology at BUKC - Progress

Item 2620: MS in Risk Management at BUKC - Progress

Responsibility: Dean MSS

Decision of the 32nd ACM

22. After detailed deliberation, the Council approved the following:

- a. All three items of MS Programs (SCM, HRM, Organization Psychology and Risk Management) of BUKC were referred back to FBOS Management and Social Sciences for further review and thorough evaluation of their financial feasibility, expected intake if these programs are launched and availability of relevant Ph.D. faculty.
- b. Launch proposal of these MS programs be taken up as fresh agenda item in next ACM if FBOS recommended so.
- c. Point to remain on agenda and progress be reported about the outcome of FBOS.

Progress Reported

23. All three programs were deliberated in FBOS meeting of Faculty of MSS. The following are recommended by FBOS:

- a. MS (SCM) Program is recommended for pursuance for NOC in HEC upon hiring of 2 PhD in SCM/relevant fields.
- b. MS (HRM) & Organizational Psychology) Program is in the process of NOC at HEC after addressing the observations of HEC.
- c. MS (Risk Management) Program is recommended to be abandoned.

Decision 33 (2432, 2619 & 2620)

24. The Council resolved the following:

- a. At least two Ph.D. faculty members should be hired for MS (SCM) before submission of case to HEC for NOC.
- b. MS (HRM & Organization Psychology) at BUKC be pursued with HEC for NOC.
- c. Launch of MS (Risk Management) Program is abandoned.
- d. All DGs/Director Campuses/HODs to ensure meeting HEC minimum criteria for running MS/MPhil and PhD Programs in their Campuses/Departments.

25. Item # 2620 dropped whereas, Item # (2432 & 2619) are to remain on agenda and progress be reported.

Action Required	Action by	Responsibility of
Implementation of the Decision	Director BUKC Director PGP Director HR HOD (MS) BUKC	Dean MSS
Statutory Documents affected: -		

Item 2449: BUMDC Dental Section - Progress Report

Responsibility: Dean HS

Decision of the 32nd ACM

26. Point to remain on agenda and progress be reported.

Progress Reported

27. On 20th December 2018, PMDC conducted Comprehensive inspection of BU Medical & Dental College. Though, Dental College secured 812 marks against passing marks of 750 which are required for recognition, However, report contained many serious observations as well. It has also been pointed out that Dental Hospital should have not been established in the building of college.

28. Based on the unsatisfactory report, the college was asked to stop fresh admission in BDS program, if not already started. Though, the admission process was already in process through NUMS thus, the college continued new admission as per its admission roadmap. Principal Dental College will present salient of the report. Complete Inspection Report is placed at Appendage 33(2449) (page 62).

Decision 33 (2449)

29. The chair directed DG BUMDC to prepare detailed Phase-wise Plan of the Dental College building on priority to forward to NHQ and present it in next BOG meeting.

30. Point to remain on agenda and progress be reported.

Action Required	Action by	Responsibility of
Implementation of the Decision	Dean HS Principal Dental College	DG BUMDC
Statutory Documents affected:		-

Item 2643: Grooming Students, Framework for

Responsibility: Director LDC

Decision of the 32nd ACM

31. After detailed deliberation, the Council approved following:

- a. Director LDC is to workout implementation strategy covering all aspects for grooming the students in consultation with Deans and Director Campuses.
- b. Director Campuses and HODs are to facilitate and provide support for successful execution of training organized by LDC. Director LDC is to prepare and promulgate guest lectures calendar for grooming students and same is to be made part of CSP. HODs shall execute this guest speaker calendar properly. LDC shall also include training modules based on everyday life. Islamic role models into the training program for faculty members to be conducted every Semester.
- c. Deans and LDC are to prepare an implementation plan spread over all semesters.
- d. All campuses are to arrange extra-curricular activities for the students like seminars, motivational lectures, declamation contests and debates etc that contain and reflect everyday life Islamic role models. Scholars of good repute also be invited to interact with students.
- e. Point to remain on agenda and progress be reported.

Progress Reported

32. An implementation strategy for operationalization of students' grooming program has been conceived and presented to the Rector. A complete psychometric mapping and cumulative skill development average system has been proposed. Experts pertaining to the aforesaid have been approached for engagement.

33. Further to inculcate Islamic values in the students, the model of Riphah International University has been studied. Director LDC and Dean MS had also visited the Riphah International University for the same purpose.

34. A Dialogue Series initiative titled “Har Lehza hai Momin” has been initiated with the approval of competent authority. The objective is to provide a platform which goes beyond the usual monologue and creates interactivity with social and religious leaders resulting into a tangible outcome in the form of character building and inculcation of religious and moral values.

35. Campus level activities have been organized to create meaningful impact through short courses and guest talks like the Quran Course and religious scholars’ talk. Director LDC presented salient of the report to the Council. Detailed report of the same is placed at Appendix 33(2643) (page 64).

Decision 33 (2643)

36. The Chair directed all Campuses to make concerted efforts to complete the planned series of lectures. If any lecture is postponed, alternate arrangement be made. It was further emphasized that students grooming is a continuous process and be properly planned in each semester.

37. Iqbal Chair also be consulted for planning series of lectures titled “Har Lehza hai Momin”.

38. Point to remain on agenda and progress be reported.

Action Required	Action by	Responsibility of
Implementation of the Decision	Director Campuses	Director LDC
Statutory Documents affected:	-	

Item 2709: MS Islamic Banking & Finance at BUIC - Progress

Responsibility: Dean MSS

Decision of the 32nd ACM

39. Extensive measures be taken by the MS department to increase intake in this program and progress be viewed in next ACM. Point to remain on agenda and progress be reported.

Progress Reported

40. The program has been commenced in Spring-2019, with 7x students only. The measures taken by the Department to improve intake were as follows:

- a. A request for separate advertisement was made but could not be materialized.
- b. E-mail to various banks were sent but the response was not fruitful.

Decision 33 (2709)

41. The Council resolved the following:

- a. Shifting of MS Islamic Banking & Finance at BUIC from Weekend to Evening format approved wef Fall-2019.
 - b. HOD (MS) BUIC is to make concerted efforts to increase the intake of students for subject program.
42. Point to remain on agenda and progress be reported.

Action Required	Action by	Responsibility of
Implementation of the Decision	Director Admissions, Director IT and HOD (MS) BUIC	Director BUIC
Statutory Documents affected:	Prospectus and Website	

Item 3004: BS (SCM) at PN School of Logistics (PNSL) - Review of Curriculum

Responsibility: Dean MSS

Decision of the 32nd ACM

43. The Council approved following measures:

- a. Conduct of Academic Mock-Audit to identify deficiencies in the BS (SCM) program in terms of NBEAC standards according to the provisions of the BU Academic Audit Manual including reviewing its curriculum and determining its alignment with the HEC guidelines.
- b. Explore possibility for induction of civilian students into the program.
- c. Point to remain on agenda and progress be reported.

Progress Reported

44. Mock-Audit of the program has been conducted and corrective action plan-II is attached at Appendage 33 (3004) (page 69). However, follow up actions could not be taken as per timeline mentioned in the report. Four new agenda items regarding BS(SCM) program and PNSL affiliation with Sindh Board of Technical Education were presented by CO PNSL.

Decision 33 (3004)

45. After discussion, the Council decided to drop the point from this position as issue is covered in new agenda items.

46. Point dropped.

Item 3014: LLM in International and Maritime Laws - Launch Proposal

Responsibility: HOD (Law) BUIC

Decision of the 32nd ACM

47. The Council approved the followings:

- a. Launch of LLM in International and Maritime Laws at BUIC approved wef Spring-2019.

- b. All efforts be made at appropriate level for its marketing/advertisement in print and social media for successful launch of the program.
- c. To fulfill all the requirements raised by the HOD Law including additional advertisements to attract large number of students.
- d. Point to remain on agenda and progress be reported.

Progress Reported

- 48. a. LLM in International and Maritime Law has been launched wef Spring-2019.
- b. All the efforts were made to market and advertise the program in print and social media.
- c. Department had sent the letters containing brochures and posters; to all the relevant stakeholders i.e Government institutes, Law Departments of the Miniseries, Supreme Court, High Courts, lower courts, law firms, Law colleges, Universities etc.
- d. Department has used two principal online law portals to attract the law fraternity about the program i.e., "Courting the Law", "Lawyers of Pakistan".
- e. Advertisement through Newspaper was used to attract the students.
- f. As a result of above stated concerted efforts, total 67 candidates applied for the admission, 33 deposited admission fee and appeared in CBT, out of which 28 students could pass the test.
- g. Finally, 20 students were admitted in the program during Spring-2019.

Decision 33 (3014)

- 49. The Chair appreciated the efforts made by HOD (Law) for successful launch of this program.
- 50. Point dropped.

Item 3026: PhD in International Relations - Launch Proposal

Responsibility: HOD (HSS) BUIC

Decision of the 32nd ACM

- 51. Point to remain on agenda and progress be reported.

Progress Reported

- 52. The Program has been launched successfully in Spring-2019, with 02 scholars.

Decision 33 (3026)

- 53. Point dropped.

Item 3117: Chinese Language (Certificate and Diploma) - Launch Proposal

Responsibility: Director BUKC

Decision of the 32nd ACM

54. Make all efforts to improve intake in Chinese Language Certificate program. Point to remain on agenda and progress be reported.

Progress Reported

55. Only eight students applied for admission; however, the program was not commenced due to less number of students.

Decision 33 (3117)

56. After discussion, it was decided that launch of Chinese Language (Certificate and Diploma) programs may be discontinued at Karachi Campus whereas Chinese Language as an elective course available in roadmap of different programs will be offered to students. BUIC should make a detailed plan for launching Chinese Language (Certificate and Diploma Courses) after establishment of Chinese Language Lab.

57. Point dropped.

Action Required	Action by	Responsibility of
Implementation of the Decision	Director BUIC Director BUKC Dean MSS HOD (HSS) BUIC	-
Statutory Documents affected: -		

Item 3127: MS Peace, Conflict & Development Studies at BUIC - Launch Proposal

Responsibility: Registrar

Decision of the 32nd ACM

58. Point to remain on agenda and progress be reported.

Progress Reported

59. NOC case was submitted to HEC. After detailed evaluation of required faculty member by HEC, the case was returned un-actioned due to irrelevant PhD faculty member.

Decision 33 (3127)

60. Point to remain on agenda and progress be reported.

Action Required	Action by	Responsibility of
Implementation of the Decision	Director PGP	Registrar
Statutory Documents affected: -		

Item 3130: MS Management Sciences at BULC - Launch Proposal

Responsibility: Dir BULC

Decision of the 32nd ACM

61. The Council resolved that the case be pursued with HEC for its approval. Point to remain on agenda and progress be reported.

Progress Reported

62. NOC has been received on 29 October 2018 and MS (Management Sciences) at BULC will be launched wef Fall-2019.

Decision 33 (3130)

63. Point to remain on agenda and progress be reported.

Action Required	Action by	Responsibility of
Implementation of the Decision	Director BULC & HOD (MS) BULC	Director BULC
Statutory Documents affected: -		

Item 3138: Business School at BUIC - Creation from Existing MS Department

Responsibility: DG BUIC

Decision of the 32nd ACM

64. After detailed deliberations, the Council resolved that:

- a. As a first step towards establishing BU Business Schools, split of MS Department at BUIC into two departments approved; i.e Department of Business Studies and Department of Management Studies wef Spring-2019.
- b. Implementation modalities and distribution of existing resources are to be worked out/processed by DG BUIC.
- c. Committee of relevant stake holders under DG BUIC will also carry out a detailed study and recommend its way forward for the establishment of Bahria Business School.
- d. Point to remain on agenda and progress be reported.

Progress Reported

65. 1a. The proposed split of the Department into Department of Business Studies and the Department of Management Studies along with the proposed Organizational Breakdown Structure of the departments is attached in the comprehensive report prepared by the Business School structure committee under the supervision of DGIC. The report has been approved by the Honorable Rector.

1b. The implementation modalities and the resource distribution including the infrastructure, faculty and staff distribution has been proposed in the comprehensive report prepared under the Supervision of DGIC.

1c. A Committee comprising of the following members was constituted to analyze in detail AACSB standards and prepare suitable strategy for their compliance;

- a) Dr. Muhammad Arif Khattak (HOD)
- b) Dr. Bakhtiar Ali
- c) Dr. Hafiz Mushtaq
- d) Ms. Hina Samdani
- e) Ms. Nida Kamal
- f) Mr. Awais Mehmood
- g) Ms. Sobia Shujaat

66. Detailed analyses of these standards, their corresponding impact on requirements to improve Business School's Infrastructure, Faculty, Collegiate environment etc. and the way forward for compliance with the respective critical areas of concern has been prepared. The risks associated along with the mitigation strategies are also addressed. The report is attached at Appendage 33(3138) (page 76).

Decision 33 (3138)

67. It was resolved that:

- a. Progress report on establishment of Business School and AACSB accreditations be presented to the Rector on monthly basis. While presenting, main focus be given to implementation plan.
- b. In the title, word "BUKC" be replaced with "BUIC" as this point was initially presented by BUKC but after discussion it was approved for BUIC.

68. Point to remain on agenda and progress be reported.

Action Required	Action by	Responsibility of
Implementation of the Decision	Director BUIC & HOD (MS) BUIC	DG BUIC
Statutory Documents affected: -		

Item 3141: Approval of Curriculum, Course Codes, Road Map, Academic Examination Rules BS (Nursing) Four Years Semester based program at Pakistan Navy Nursing College (PNNC) - PNS SHIFA Karachi

Responsibility: DG HS

Decision of the 32nd ACM

69. The chair showed concern over non-participation of Vice Principal, PN Nursing College in the meeting. After long deliberation, the Council resolved that:

- a. Vice Principal PN Nursing College is to make necessary preparation needed to fulfill requirements of Pakistan Nursing Council accreditation for at least 30 students.

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- b. Well-defined Plan be prepared for induction of civilian students in PN Nursing College.
- c. Conduct of inspection of Pakistan Nursing Council for accreditation before Convocation.
- d. Director Examinations is to issue final transcript/degree to nursing graduates subject to successful accreditation by Pakistan Nursing Council.
- e. DG HS is to write letter to NHQ for preparation of PN Nursing College for accreditation visit of Pakistan Nursing Council.
- f. Point to remain on agenda and progress be reported.

Progress Reported

70. a. Allocation of land for Nursing College at PNS SHIFA area has been approved in 40th BOG meeting.
- b. Hiring of Consultant is done.
- c. PNC visit was conducted on 24th December 2018.
- d. Recommendations have been forwarded by DG Nursing (Sindh) to Registrar PNC Islamabad. Final approval is awaited.

Decision 33 (3141)

71. It was discussed that Curriculum was approved in 32nd ACM, however, Director Examinations pointed out that marks allocation of respective subjects and its alignment with the Examinations Policy is still awaited. The Chair directed Principal PNNC to provide requisite details of marks allocation to Examinations Directorate and present the same in next ACM.

72. Point to remain on agenda and progress be reported.

Action Required	Action by	Responsibility of
Implementation of the Decision	Principal PNNC	Dean HS
Statutory Documents affected: -		

Item 3203: BS TV Broadcasting Program at BUIC- Launch Proposal

Responsibility: Director BUIC

Decision of the 32nd ACM

73. HOD (Media Studies) presented the launch of new undergraduate program titled "BS TV and Broadcasting" along with detailed road-map, course outlines and feasibility study.
74. After discussions, the Council approved launch of BS TV Broadcasting program at BUIC wef Fall-2019 as per its road-map and course outlines placed at appendage 3203 (page 76).
75. Point is to remain on agenda and progress be reported.

Progress Reported

76. The department has completed all the required preparations to launch the BS TV Broadcasting Program wef Fall-2019 subject to availability of at least 3 class rooms.

Decision 33 (3203)

77. The Chair directed the Director BUIC for allocation of required class rooms and availability of lab facilities for successful launch of BS TV Broadcasting Program wef Fall-2019.

78. Point to remain on agenda and progress be reported.

Action Required	Action by	Responsibility of
Implementation of the Decision	HOD (Media Studies) BUIC	Director BUIC
Statutory Documents affected: -		

Item 3205: PhD Program in Geo-Physics at BUIC- Launch Proposal

Responsibility: HOD (EES)

Decision of the 32nd ACM

79. The Council approved Ph.D. Geo-Physics program at Bahria University, Islamabad Campus wef Fall-2019 Semester subject to issuance of NOC from HEC. Approved roadmap and curriculum is placed at Appendage 3205 (page 146).

80. Point is to remain on agenda and progress be reported.

Progress Reported

81. NOC has been issued on 14 March 2019 and PhD Program in Geo-Physics will be launched wef Fall-2019 at BUIC.

Decision 33 (3205)

82. Program to be launched wef Fall-2019.

83. Point to remain on agenda and progress be reported.

Action Required	Action by	Responsibility of
Implementation of the Decision	HOD (EES) BUIC	Director BUIC
Statutory Documents affected: -		

Item 3206: MBBS program - Launch Proposal at Proposed BUMDC Islamabad

Responsibility: DG HS

Decision of the 32nd ACM

84. After a prolonged discussion the Council resolved that:

- a. Principle approval accorded to launch of MBBS programme at proposed campus of BUMDC Islamabad subject to availability of infrastructure and other resources.
- b. Launch proposal of this programme be presented in next ACM with its full details covering its financial model as well.
- c. Point to remain on agenda and progress be reported.

Progress Reported

85. a. Land has been allocated at Naval Anchorage Islamabad.

- b. Consultant has been hired for preparation of PC-1.
- c. As approved during 40th BoG meeting, classes of medical students will be commenced in December 2020 at BUIC under make shift arrangements.
- d. 42 Kanals land has been allotted to BUMDC Islamabad and 50 Kanals will be allotted in next 2-3 months.

Decision 33 (3206)

86. As this point is also on the agenda of BOG meeting, thus the Council decided to drop the point from this position.

87. Point dropped.

Item 3213: Launch of MS (Maritime Ports and Shipping Management) at BUKC

Responsibility: Director BUKC

Decision of the 32nd ACM

88. The Council ratified approval of the Competent Authority regarding changes in program title as "MS (Maritime Ports and Shipping Management)", and its road-map and curriculum as placed at Appendage 3213 (page 201).

89. Point to remain on agenda and progress be reported.

Progress Reported

90. NOC has been issued on 20 March 2019 and MS (Maritime Ports and Shipping Management) Program will be launched wef Fall-2019 at BUKC.

Decision 33 (3213)

91. The Chair directed all concerned to make concerted efforts for successful launch of this program. Aggressive marketing strategy be adopted including writing of letters to Maritime Organizations to attract large number of students for MS (Maritime Ports & Shipping Management) Program.

92. Point to remain on agenda and progress be reported.

Action Required	Action by	Responsibility of
Implementation of the Decision	Director Marketing Dean MSS HOD (Maritime Sciences)	Director BUKC
Statutory Documents affected: -		

Item 3214: Review of Roadmap of MS (Maritime Trade and Logistics) - BUKC

Responsibility: Dir BUKC

Decision of the 32nd ACM

93. The Council ratified approval of the Competent Authority regarding changes in road-map and curriculum of MS (Maritime Trade and Logistics) placed at Appendage 3214 (page 204).

94. Point to remain on agenda and progress be reported.

Progress Reported

95. NOC has been issued on 28 February 2019 and MS (Maritime Trade and Logistics) will be launched wef Fall-2019 at BUKC.

Decision 33 (3214)

96. The Chair directed the Dean MSS to make concerted efforts for successful launch of MS (Maritime Trade and Logistics) Program.

97. Point to remain on agenda and progress be reported.

Action Required	Action by	Responsibility of
Implementation of the Decision	Director Marketing Dean MSS HOD (Maritime Sciences)	Director BUKC
Statutory Documents affected: -		

Item 3236: Resolution of Ambiguity in Session as Printed on Degree

Item 3239: Standardization of Program Title on Degree & Transcripts

Responsibility: Director Examinations

Decision of the 32nd ACM

98. After long deliberation, the Council approved constitution of the following committee to submit recommendations for approval of the Competent Authority:

- a. DG, Islamabad Campus
- b. All Deans
- c. Director Examinations
- d. Assistant Registrar (Degree & Record)

99. Point is to remain on agenda and progress be reported.

Progress Reported

100. Committee's report has been approved by the Rector on file (BU/DE>Title/2017/624) and same is presented for ratification. The Committee has made following recommendations:

- a. Timeframe for award of BU degree (including MBBS/ BDS degrees) should be printed in terms of the date of actual completion of respective program by the student, as endorsed on respective Final Transcript, and not the specific program starting and completion years.
- b. While using existing stock of degrees, the wording 'during the Session' printed thereon may be struck and the year prefixed with the word 'on', as shown at Enclosure 36.
- c. Title of thesis should not be mentioned on the degrees.
- d. All BU degrees/ transcripts titles should have the first letter of each word in capitals, followed by small letters; with the exception of annotation 'in', which should be written without capital letters.
- e. BU transcripts should contain the program title only as the main heading; similar to the one printed on respective degree. Field of study/ major discipline, where essential, is to be mentioned in a separate line under the main heading (Program Title).
- f. BU degrees and transcripts titles listed at Annex E and F of the report respectively may be amended as shown against each, for standardization of titles in accordance with HEC guidelines.
- g. BU degrees and transcripts title for newly launched programs listed at Annex G (for which respective degrees are yet to be printed) of the report may be ratified by BU Academic Council.
- h. Printing of any new degrees is to be pursued after exhaustion of held stock/ already printed blank degrees, while retaining the adequate number of copies for future/ duplicate cases.
- i. Adoption of new/ amended format of degrees is to be undertaken for entire batches of students; thus avoiding different degree formats within a batch.

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101. For a new/ revised academic programs, DAA shall verify from sponsoring HOD that exact program title to be printed on corresponding degree and transcript is part of the complete proposal, for approval by BU Academic Council. Report is attached herewith.

Decision 33 (3236 & 3239)

102. The Council ratified the report along with its Annexes (A to G) as placed at Appendix 33(3236 & 3239) (page 82).

103. Point dropped.

Action Required	Action by	Responsibility of
Implementation of the Decision	Director Examinations	-
Statutory Documents affected: -		

New Items**Item 3301: Establishment of School of Maritime Sciences at BUKC**

Sponsors: Dean MSS

Referral Authority: File

Summary of the Case

104. Establishment of School of Maritime Sciences has been proposed under the Faculty of Management & Social Sciences at BUKC. The case was submitted on file and approved by the Rector. Dean MSS presented the case for ratification of ACM. Detailed working paper of the case is attached.

Decision 3301

105. After prolong discussion, the Council approved the recommendations as elaborated in Appendix 3301 (page 101). The Council approved the following:

- a. Establishment of Department of Maritime Sciences at BUKC wef Fall-2019.
- b. Establishment of School of Maritime Sciences at BUKC wef Spring-2020.

106. Point to remain on agenda and progress be reported.

Action Required	Action by	Responsibility of
Implementation of the Decision	Director BUKC Dean MSS	DG BUKC
Statutory Documents affected: -		

Item 3302: Curriculum Review of all undergraduate Programs - Inclusion of Quranic Language Course in respective road-maps

Sponsors: Director LDC

Referral Authority: File No. LDC/0419/04/053

Summary of the Case

107. Understanding of the Holy Quran and its implementation in our daily life is the only key of success for all human beings. Accordingly, grooming and personality building of our youth through teaching of Quran is considered an ultimate solution. In order to make the youngsters True Muslims, patriotic nation and successful/ dignified human being, BU has proposed Quran Course to conducted at all campuses. Director LDC will present the salient of the working paper to the Council. A detailed working paper containing course outlines and other detail is attached.

Decision 3302

108. After prolonged deliberation, the Council resolved that:

- a. Proposal to launch Quranic Language Courses as per detail mentioned in Appendix 3302 (page 104) was approved in principle by the Council.
- b. QAL-I & QAL-II be included in first year road maps in all undergraduate programs.
- c. Roadmap be revised with course codes of these courses as per BU policy.

d. A Committee headed by DGIC, all Deans, DF, HOD (HSS) BUIC and Dr. Najamul Sehar of BUMDC as members may be constituted to look into further modalities of Quran Language Courses. The scope of the committee mainly is to:

- i. Adjustment of new courses in the roadmaps of all undergraduate programs.
- ii. Requirement of relevant faculty including VF.
- iii. Induction criteria for faculty.
- iv. Additional class rooms requirement, if any.
- v. Preparation of course out lines.

109. Point to remain on agenda and progress be reported.

Action Required	Action by	Responsibility of
Implementation of the Decision	Director LDC Registrar for Notification of Committee	Director LDC
Statutory Documents affected: -		

Item 3303: Curriculum Review of BSS Anthropology - Inclusion of new Electives

Sponsors: HOD (HSS) BUIC

Referral Authority: FBOS MSS

Summary of the Case

110. Media and Anthropology in the present time have been playing a significant role in shaping the cultural practices and also acting as an agent of cultural change and deeply rooted in the subject matter offer an in-depth approach to analyzing the complex connections between media, culture and society. The courses will focus on anthropological point of view, in which; media technologies; have to be understood not only as these cultural artifacts (radio, film) but also as to how they are affecting our lives. We therefore investigate media both as a broad conceptual category and as specific technologies of communication. Following courses are recommended to be added in list of electives of BSS Anthropology.

Sr.No.	Course Code	Course Title	Credit Hours
a.	ANT 330	Anthropology of Media	3
b	ANT 329	Anthropology of Crimes & Criminality	3

Decision 3303

111. The Council approved the inclusion of new electives namely "Anthropology of Media" and "Anthropology of Crimes & Criminality" wef Fall-2019 semester in BSS Anthropology as per course outlines mentioned at Appendage 3303 (page 109).

112. Point dropped.

Action Required	Action by	Responsibility of
Implementation of the Decision	Director Examinations Director Admissions Director IT HOD (HSS) BUIC	-
Documents/Website affected: Updating Unified Course Codes Book, Bahria University Website and Prospectus.		

Item 3304: Curriculum Review of Ph.D IR - Inclusion of a New Course “US Foreign Policy” as an Elective

Sponsors: HOD (HSS) BUIC

Referral Authority: FBOS MSS

Summary of the Case

113. The “US foreign policy” is one of the most significant course of International Relations. The inclusion of this course would help the students to enhance their understanding about the US foreign policy. Furthermore, it would support the students to develop their areas of expertise in the domain of US foreign policy.

Decision 3304

114. The Council approved inclusion of “IRS 750 US Foreign Policy” as an elective in PhD IR wef Fall-2019 semester as per course outlines placed at Appendix 3304 (page 115).

115. Point dropped.

Action Required	Action by	Responsibility of
Implementation of the Decision	Director Examinations Director Admissions Director IT HOD (HSS) BUIC	-
Documents/Website affected: Updating Unified Course Codes Book, Bahria University Website and Prospectus.		

Item 3305: Curriculum Review of BSS/BS Media Studies - Replacement of Electives (Specialization)

Sponsors: HOD (Media) BUKC

Referral Authority: FBOS MSS

Summary of the Case

116. After detailed discussion, the DBOS/FBOS agreed to replace one of the existing Elective Course (Specialization) - Communication Theory & Research - with new domain (Animation) to

make the program more attractive for undergraduates and to cater the needs of the market. A working paper on the existing and proposed specializations is attached as Appendix 3305 (page 118).

Decision 3305

- 117. Point was withdrawn by the sponsor.
- 118. Point dropped.

Item 3306: Curriculum Review of LLM & PhD - Addition of Elective Courses

Sponsors: HOD (Law) BUIC

Referral Authority: FBOS MSS

Summary of the Case

119. Due to increasing market interests and demands, the addition of following number of elective courses in LL.M and PhD program has been recommended for approval.

Sr.No	Course Code	Course Title	Credit Hours
a.	LLM 752	International Law of Use of Force	3
b.	LLM 753	International Environmental Law	3
C.	LLM 754	Advanced Competition law	3
d.	LLM 755	Advanced Securities Law and Regulation	3

Decision 3306

120. The Council approved the inclusion of new electives in LLM & PhD w.e.f Fall-2019 semester as per course outlines mentioned at Appendix 3306 (page 119).

- 121. Point dropped.

Action Required	Action by	Responsibility of
Implementation of the Decision	Director Examinations Director Admissions Director IT HOD (Law) BUIC	-
Documents/Website affected: Updating Unified Course Codes Book, Bahria University Website and Prospectus.		

Item 3307: MS Economics at BUIC - Launch Proposal

Sponsors: HOD (MS) BUIC

Referral Authority: FBOS MSS

Summary of the Case

122. As per 32nd ACM Decision, Item 3017, the case for launch of MS Economics at BUIC was referred back to the FBOS/DBOS for revision of the road map based on the following observations:

"Case be referred back to FBOS (MSS) for revision of this program's duration i.e. from 1.5 year to 2.0 year. Same is to be presented as a fresh agenda point in the next ACM containing 2-years roadmap".

123. As per HEC letter No.1-9/2018/QAD-NOC/Bahria, dated: December 14, 2018. Modifications/ Changes were required as per evaluation of course contents by the experts, based on the following observations:

- a. The MS Economics road map should be modified so as to be 2 year duration.
- b. Research guidance be divided in two semesters.
- c. Research methodology be included as an elective.
- d. Econometrics be taught after studying Mathematics.

Decision 3307

124. The Chair directed HOD (MS) BUIC to visit HEC for clarification of the research methodology as an Elective subject or otherwise.

125. Roadmap of MS (Economics) placed at Appendage 3307 (page 132) of two years duration is approved where Research Methodology be offered as an elective in 1st Semester and Applied Econometrics in 2nd Semester. Case of MS (Economics) be re-submitted to HEC along with revised roadmap for issuance of NOC.

126. Point to remain on agenda and progress be reported.

Action Required	Action by	Responsibility of
Implementation of the Decision	Dean MSS Director Examinations Director PGP HOD (MS) BUIC	Director BUIC

Documents/Website affected: Updating Unified Course Codes Book.

Item 3308: Curriculum Review of BBA, MBA and BS (A&F) - Addition of 'Entrepreneurial Finance' in Finance Elective List

Sponsors: HOD (MS) BUKC

Referral Authority: FBOS MSS

Summary of the Case

127. Inclusion of "FIN 603 Entrepreneurial Finance" as an elective for both BBA, BS (A&F) and MBA programs would make an addition to the diversity of knowledge areas for students. The course is being taught in contemporary business schools and our students have shown interest in the course. The course outline for the course "Entrepreneurial Finance" is attached.

Decision 3308

128. The Council approved the inclusion of new elective namely "FIN 603 Entrepreneurial Finance" in the finance elective list of BBA, MBA and BS (A&F) wef Fall-2019 semester as per course outlines mentioned at Appendage 3308 (page 134).

129. Point dropped.

Action Required	Action by	Responsibility of
Implementation of the Decision	Director Examinations Director Admissions Director IT Dean MSS HODs (MS) all Campuses	-
Documents /Website affected	Updating Unified Course Codes Book, Bahria University Website and Prospectus.	

Item 3309: Elective options for BS(A&F), BBA and MBA from the list of Finance Electives.

Sponsors: HOD (MS) BUKC

Referral Authority: FBOS MSS

Summary of the Case

130. The option for students to choose elective from the pool of electives from all the streams in finance. Students will pick up electives relevant to finance only. It will also facilitate in class strength management and it will also be financially feasible. The case was presented in FBOS of Faculty of MSS. After detailed deliberation, FBOS recommended to allow students to choose elective course of finance from the pool of finance electives from all the three streams (BS(A&F), BBA and MBA).

Decision 3309

131. The Council approved the option to students to choose Elective Courses of Finance from any list of Finance Electives of BBA, MBA and BS (A&F) roadmaps wef Fall-2019 semester.

132. Point dropped.

Action Required	Action by	Responsibility of
Implementation of the Decision	Director Examinations Director Admissions Director IT Dean MSS HODs (MS) BUKC & BUIC	-
Documents/Website affected:	Updating Unified Course Codes Book, Bahria University Website and Prospectus.	

Item 3310: Curriculum Review of Roadmap of BBA Program

Sponsors: HOD (MS) BUKC

Referral Authority: FBOS MSS

Summary of the Case

133. National Curriculum Review Committee of HEC (NCRC) has decided to bring total credit hours BBA program between 124-135 credit hours. BU existing BBA program is consisting of 144 credit hours. To bring existing BBA roadmap as per HEC approved BBA program, a case was presented in FBOS meeting of Faculty of MSS. After detailed deliberation, FBOS has recommended reduction of credit hours from 144 to 135 in BBA program.

Decision 3310

134. The Council approved the revised curriculum and roadmap of BBA Program (135 credit hours) wef Fall-2019 intake as placed at Appendage 3310 (page 139). HOD (MS) BUKC is to present detailed study in next ACM on financial implication due to reduction in credit hours in BBA roadmap.

135. Point dropped.

Action Required	Action by	Responsibility of
Implementation of the Decision	Director Examinations Director Admissions Director IT Dean MSS HODs (MS) all Campuses	-

Documents/Website affected: Updating Unified Course Codes Book, Bahria University Website and Prospectus.

Item 3311: Curriculum Review of MBA 2.0 Years and MBA 1.5 Year roadmaps

Sponsors: HOD (MS) BUKC

Referral Authority: FBOS MSS

Summary of the Case

136. HEC vide their letter No.9-48 (Business) / Acad / HEC / 2018 / 2634 dated March 28, 2019 has asked for implementation of the decisions of NCRC which was conducted in November 2018. The decision of NCRC involves discontinuing MBA 3.5 Years and conducting MBA 2 Years with 60-66 Credit Hours for students of 16 Years education. However, the degree may be completed in minimum of 1.5 Years by students with 16 years of relevant education. Such students can earn an exemption of up to 30-36 credit hours to be decided by HEI. The point involves decisions at ACM level on following: -

- Approval of readjusted/realigned roadmap of MBA 2 Years and MBA 1.5 Years (designed inclusive of MBA 2 Years).
- Approval for exemption of 30 credit hours to students of 16 years relevant education as per HEC guidelines and approval of issuance of transcript accordingly.
- Approval of decision be implemented with effect from Fall-2019.

Decision 3311

137. After prolonged discussion, the Council resolved that:

- a. Revised roadmaps and curriculums of MBA 2.0 years and MBA 1.5 years placed at Appendage 3311 (page 144) approved wef Fall-2019 intake.
- b. Exemption of 30 credit hours to students of 16 years relevant education, not approved.
- c. Internship from MBA 1.5 years removed on the analogy of completion of internship at BBA level. However, HOD (MS) BUKC is to further carryout study of other universities about the requirement of work experience/internship of students in MBA and put up as new agenda point in next ACM if so required.

138. Point dropped.

Action Required	Action by	Responsibility of
Implementation of the Decision	Director Examinations Director Admissions Director IT Dean MSS HODs (MS) all Campuses	-
Documents/Website affected: Updating Unified Course Codes Book, Bahria University Website and Prospectus.		

Item 3312: Revision of TOS of MBBS and BDS according to New Curriculum

Sponsors: Dean HS

Referral Authority: FBOS HS

Summary of the Case

139. The Revision of Curricula and accordingly TOS is a regular process. The Revised TOS of MBBS and BDS according to the new Curricula of MBBS and BDS as approved in 32nd ACM, were presented in the FBOS of Faculty of Health Sciences. After detailed deliberation, FBOS recommended revised TOS of MBBS and BDS for approval of Academic Council.

Decision 3312

140. The Council approved the TOS of MBBS and BDS according to new curriculum as placed at Appendage 3312 (page148).

141. Point dropped.

Action Required	Action by	Responsibility of
Implementation of the Decision	Director Examinations Dean HS	-
Documents affected: Course Catalogue of MBBS and BDS		

Item 3313: Admission Fee Waiver for BU Graduates for MBA 1.5 Years Program

Sponsors: HOD (MS) BULC

Referral Authority: FBOS MSS

Summary of the Case

142. In general, every university desires that their graduates pursue their higher education in the same university. On the other hand, when graduates show willingness to pursue higher studies, they expect facilitation from their university especially in monetary terms.

143. BU also took initiative in this regard. As per the current policy (mentioned in S.H.B rule no. 4.9), BU graduates from undergraduate programs are provided admission fee waiver if they opt MS/Mphil/PhD program at BU. However, this facility is not provided to graduates if they opt MBA 1.5 years program. This discourages our students to pursue MBA 1.5 year program and eventually they seek admission in other universities. The case was presented in the FBOS of Faculty of Management Sciences and Social Sciences. After detailed deliberation, FBOS recommended fee waiver of BU graduates be extended to MBA 1.5 year program.

Financial Implications

144. Financial effects as per data of Fall 2018 and Spring 2019 intakes in MBA 1.5 year program are calculated as follows:

MS Department	Fall 2018 Intake	Spring 2019 Intake	Annual Intake	Admission Fee	Financial Effect	Total
BUIC	123	90	213	Rs 21,000	Rs 4,473,000	Rs 7,644,000
BUKC	72	56	128	Rs 21,000	Rs 2,688,000	
BULC	16	7	23	Rs 21,000	Rs 483,000	

Decision 3313

145. The Council resolved that the proposal is not approved being financially not viable.

146. Point dropped.

Item 3314: Adoption of HEC guidelines for admission to MS (SCM) program for non-business education background candidates

Sponsors: HOD (MS) BUIC

Referral Authority: File No. HOD-MS/MS-SCM/2019

Summary of the Case

147. Currently MS (SCM) program has been running at BUIC after issuing NOC from HEC with the eligibility criteria of 16 year education with business background only. As per NBEAC (HEC) guidelines, candidate without business background can be admitted after completing 30-36 credit hours deficiency courses from business domain. NBEAC (HEC) guidelines were present in special FBOS meeting of Faculty of Management Sciences and Social Sciences on 8th February 2018. After detailed deliberation in FBOS, adoption of NBEAC (HEC) guidelines for admission to

MS(SCM) program for non-business education background candidates were recommended for approval of the competent authority. Competent authority approved recommendations of FBOS on file. The case is now recommended for the ratification of ACM.

Decision 3314

148. The Council ratified the approval of Competent Authority for admission to MS (SCM) program for non-business education background candidates as per details of deficiency courses mentioned at Appendage 3314 (page 208).

149. Point dropped.

Action Required	Action by	Responsibility of
Implementation of the Decision	Director Admissions Director IT HOD (MS) BUIC	-
Documents/Website affected: Updating website and Prospectus		

Item 3315: Discontinuing MBA 3.5 Years

Sponsors: HOD (MS) BUKC

Referral Authority: FBOS MSS

Summary of the Case

150. National Curriculum Review Committee (NCRC) of HEC in its meeting held in November, 2018, has decided to discontinue MBA 3.5 year program. Decision of NCRC for discontinuation of MBA 3.5 year program was presented in the FBOS of Faculty of Management Sciences and Social Sciences. After detailed deliberation, FBOS has recommended to discontinue MBA 3.5 year program wef Fall-2019.

Decision 3315

151. The Council approved the discontinuation of MBA 3.5 year program wef Fall-2019 admission.

152. Point dropped.

Action Required	Action by	Responsibility of
Implementation of the Decision	Director Admissions Director IT All HODs (MS)	-
Documents/Website affected: Updating Website and Prospectus		

Item 3316: Launch of lateral entry of graduate with 14 years education (BA/B.Sc/ B.Com etc) into 5th semester of BBA program through bridging semester

Sponsors: HOD (MS) BUKC

Referral Authority: FBOS MSS

Summary of the Case

153. After discontinuation of MBA 3.5 years program, NCRC of HEC proposed alternative mechanism for 14 year education graduates to improve their education in Business domain through lateral entry to BBA program. The lateral entry proposal was presented in the FBOS of Faculty of Management Sciences and Social Sciences. After detailed deliberation, the mechanism of lateral entry along with bridging semester has been recommended by FBOS to ACM for approval.

Decision 3316

154. The Council approved the launch of separate BBA Program (76 Credit Hours) for the students having 14 years education wef Fall-2019 at all 3 x campuses (BUIC, BUKC & BULC) in morning and evening format. Detailed roadmap and curriculum along with details of bridging semester is placed at Appendage 3316 (page 209).

155. Point to remain on agenda and progress be reported.

Action Required	Action by	Responsibility of
Implementation of the Decision	Director Examinations Director Admissions Director IT HOD (MS) at all CUs	-
Documents/Website affected: Updating of Unified Course Codes Book, Prospectus and Website		

Item 3317: Changing eligibility criteria of EMBA (Logistics & Ports Management) program from 14 to 16 Year education in accordance with the HEC policy guidelines

Sponsors: HOD (MS) BUKC

Referral Authority: FBOS MSS

Summary of the Case

156. NCRC of HEC in its meeting held in November 2018 changed eligibility criteria for admission to EMBA program from 14 years education to 16 years education. This change was presented in the FBOS of Faculty of Management Sciences and Social Sciences. After detailed deliberation, FBOS recommended change in eligibility criteria from 14 years education to 16 years education for approval of ACM.

Decision 3317

157. The Council resolved the following:

- a. The council approved changing in the eligibility criteria of EMBA from 14 to 16-years.

- b. PGD Leading to EMBA (Logistics and Port Management) and MBA (Logistics and Port Management) be discontinued wef Fall-2019 admission. Post Graduate Diploma (Logistics and Port Management) will continue as standalone program.

158. Point dropped.

Action Required	Action by	Responsibility of
Implementation of the Decision	Dean MSS Director Admissions Director Examinations Director IT HOD (MS) BUKC HOD (HSS) BUKC	-
Documents/Website affected: Updating of Unified Course Codes Book, Prospectus and Website		

Item 3318: Change of Degree Title from MS Professional Psychology to MS Clinical Psychology

Sponsors: Dean (IPP) BUKC

Referral Authority: FBOS IPP/File

Summary of the Case

159. Program Title of MS was originally approved as title "MS Professional Psychology" instead of "MS Clinical Psychology". After ACM, the case was forwarded to HEC for NOC approval. MS Clinical Psychology title was mentioned in documents while submitting it to HEC. HEC issued NOCs for both Islamabad and Karachi campuses for this program with the title of MS Clinical Psychology. Due to this discrepancy in program titles, the case was presented to the competent authority for change of title from MS Professional Psychology to MS Clinical Psychology. Competent Authority approved change of degree title on file. The case is now recommended through FBOS of Faculty of Psychology for ratification of ACM.

Decision 3318

160. The Council ratified the decision of the Competent Authority regarding change of degree title from "MS Professional Psychology" to "MS Clinical Psychology" retrospectively from the date of its launch at BUIC and BUKC.

161. Point dropped.

Action Required	Action by	Responsibility of
Implementation of the Decision	Dean IPP Director Examinations Director Admissions HOD (PP) BUIC HOD (PP) BUKC	-
Documents/Website affected: Updating Website and Prospectus		

Item 3319: Delegation of authority to the PNSL to enter into MOU with Sindh Board of Technical Education (SBTE)

Sponsors: Dean MSS

Referral Authority: FBOS MSS

Summary of the Case

162. PNSL has been awarding certificates to Sailors through Sindh Board of Technical Education (SBTE). Being constituent unit PNSL must seek statutory approval for going into MOU with third party i.e. SBTE etc. The matter was deliberated during FBOS and it was apprised that the said MOU pertains to Sailors who are not registered with BU for award of BS (SCM) degree program. CO PNSL also highlighted that the said diploma is given with a view to facilitate post-retirement benefit to CPOs/ Sailors and have been implemented for Ops and Supply branch sailors. It was therefore decided during FBOS to discuss the same in forthcoming ACM with the view that either the diplomas be issued by BU or else the approval may be accorded to PNSL as per existing arrangement and previously issued diplomas be condoned.

163. Point be referred for further deliberation in the ACM with the recommendations that PNSL may be authorized to continue issuance of diploma certificates and previously issued certificates may be regularized/condoned.

Decision 3319

164. After prolonged discussion, the Council approved and authorized PNSL to enter into MOU with Sindh Board of Technical Education (SBTE) for issuance of Diploma/Certificates to its students. The Council also regularized the previously issued certificates/diplomas retrospectively from the date of its first issuance.

165. Point dropped.

Action Required	Action by	Responsibility of
Implementation of the Decision	CO PNSL Director Examinations	-
Statutory Documents affected: -		

Item 3320: Phase-wise implementation of the BS(SCM) Curriculum at PNA and PNSL

Sponsors: Dean MSS

Referral Authority: FBOS MSS

Summary of the Case

166. PNSL is conducting BS(SCM) in three phases i.e. first three semesters conducted in Phase-I at PNA. Midshipman time at PN Fleet accredited towards degree program as internship of 0-3 credit hours & last five semesters conducted at PNSL. Conduct of BS(SCM) degree program in three phases requires statutory approval of BU.

167. During FBOS, the point was deliberated at length and it was decided to forward the said agenda point for deliberation in Academic Council Meeting with a view to approve the current practice of 3 Phases implementation of BS(SCM) at PNSL and acknowledge the role of PNA as well as PN fleet. Following points were recommended for consideration in ACM:

- a. Phase-wise curriculum may be approved

- b. Role of PNA may be acknowledged for conduct of first 3 semesters and PN Fleet units for 6 months OJT/ Internship.
- c. Directorate of examination is to lay down mechanism for 3 semesters at PNA.
- d. Previous degrees awarded through 3 phase system be regularized/ condoned.

Decision 3320

168. After prolonged discussion, the Council resolved that:

- a. Implementation of Phase wise curriculum of BS(SCM) program at PNSL approved.
- b. Conduct of first 3 semesters at PNA and 6 months OJT/ Internship at PN Fleet units has been approved as part of BS(SCM) program.
- c. Director Examinations is to work out the modalities and registration procedure in line with OPS and Tech Br. Cadets at PNA.
- d. Degrees issued by BU to all students of PNSL previously through 3 phase system regularized retrospectively.

169. Point dropped.

Action Required	Action by	Responsibility of
Implementation of the Decision	Director Examinations CO PNSL	-
Statutory Documents affected: -		

Item 3321: Approval of 4.5 Years as minimum duration of the BS(SCM) Program being conducted by the PNSL

Sponsors: Dean MSS

Referral Authority: FBOS MSS

Summary of the Case

170. During FBOS, it was highlighted that due to phase-wise implementation of the BS(SCM) at PNSL, the duration of the BS(SCM) degree program has risen to 4.5 years rather than usual duration of 4.0 years. Extended duration of program needs to be approved through statutory process of BU. It is pertinent to highlight that duration for completion of BS program as per HEC rules is 4-6 years. Hence the said 6 months internship (Midshipmen time) can be accommodated and regularized, subject to approval by Academic Counsel Meeting, however, maximum duration may be retained as 6 years as per BU policy.

171. It was agreed during FBOS that existing duration of BS(SCM) being conducted at PNSL is within time period specified as per BU policy i.e 4-6 years. Therefore, existing duration of BS (SCM) at PNSL i.e 4.5 years, is recommended for approval of the Academic Council, however, maximum duration is to be retained as 6 years as per BU policy.

Decision 3321

172. After discussion, the Council resolved that:

- a. BS(SCM) program be aligned with BS(MIS) and BE programs being offered to OPS and Technical branch cadets at PNS JAUHAR/PNEC through NUST.
- b. Dean MSS is to study NUST model implemented at PNS JAUHAR/PNEC and put up detailed study report along with recommendations in next ACM. While carrying out study, issuance of same degree to Civilian students also be considered.

173. Point to remain on agenda and progress be reported.

Action Required	Action by	Responsibility of
Implementation of the Decision	Dean MSS CO PNSL	Dean MSS
Statutory Documents affected: -		

Item 3322: Exemption of 40 hours CSP program for BS (SCM) Graduates at the PNSL

Sponsors: Dean MSS

Referral Authority: FBOS MSS

Summary of the Case

174. In accordance with BU Policy, PNSL has to adopt mandatory Community Support Program for its BS(SCM) program. Moreover, PNSL also needs to get the previous degrees issued without having implemented compulsory community support program regularized through initiating the statutory process. During FBOS, it was highlighted by CO PNSL that most of the requirements of CSP are already being done in PNSL, which include beach cleaning, tree plantation, rescue & relief operation during floods, aid to civil power etc, same may be endorsed in lieu of BU CSP. However, those activities could not be reported formally to the Examination Directorate on the prescribed format.

175. After taking input from all stake holders during FBOS, it was decided to forward the said agenda point to upcoming ACM with recommendations for regularization of degrees already issued including the existing students in last 2 semesters as they will not be able to complete Community Support Program (CSP) before completion of the degree. Additionally, CSP be implemented for all existing students (excluding students of last 2 semesters) as well as in future, with the assistance of BUKC. For this purpose, BUKC may share the CSP implementation mechanism with the PNSL.

Decision 3322

176. The Council resolved that:

- a. Exemption/waiver of 40 Hours CSP approved retrospectively for all students of BS(SCM) who have already completed their graduation at PNSL.
- b. All existing students including students of last semester will have to complete their 40 Hour CSP as per BS(SCM) roadmap in collaboration with BUKC.

177. Point dropped.

Action Required	Action by	Responsibility of
Implementation of the Decision	Dean MSS & CO PNSL Director Examinations	-
Statutory Documents affected: -		

Item 3323: Approval for the Increase in Number of Seats of LLB Program

Sponsors: HOD (Law) BUIC

Referral Authority: FBOS MSS

Summary of the Case

178. Presently, the Department is inducting 50 students per semester as per the Rule 5(II) of the Pakistan Bar Council Legal Education Rules 2015 excluding the number of students inducted under the provisions of quota. However, in Spring 2018 a high level commission/committee of the Supreme Court visited/inspected the department and submitted report to the Hon'ble Supreme Court. In the report, the commission/committee recommended increase in number of admission seats for the LLB program from 50 to 75 per semester. This increase in number of seats is being taken as an achievement for the department and the university.

179. Keeping in view the recommendation of the commission/committee, it is recommended that the admission strength be increased to 75 wef Fall 2019. Since number of LLB programs at various other institutions have already been closed following the Supreme Court decision, so there are better prospects for the BU to get the enhanced number of admissions. Case was discussed in the FBOS which approved it for consideration by the ACM. In view of the recommendation of the Supreme Court commission number of admission seats for the LLB program be increased from 50 to 75 wef Fall 2019 intake.

180. Copy of the recommendations of the Hon'ble Commission of Supreme Court of Pakistan to the Hon'ble Supreme Court is attached at Appendix 3323 (page 214).

Decision 3323

181. The Council approved in principle the increase in number of seats of LLB Program from 50 students to 75 students per semester at BUIC wef Fall-2019 subject to availability of additional class rooms.

182. Point dropped.

Action Required	Action by	Responsibility of
Implementation of the Decision	Director BUIC Director Admissions HOD (Law) BUIC	-
Statutory Documents affected: -		

Item 3324: Proposal to forward Thesis/Project/Internship & CSP Results of Respective Program through CMS

Sponsors: DE

Referral Authority: File No. BU/DE/2018/175

Summary of the Case

183. Exams Dte as part of its primary function is responsible for compilation, synthesis and dissemination of consolidated results each semester. The Award Lists containing subject-wise final exams results of students is forwarded as 'Database-Dump' retrievable via CMS. However, results of Thesis, Project, Internship and CSP are forwarded to the Exams Dte as form of a hard copy, which are manually fed into the Exams Dte database; thereby increasing the probability of error due to varying format among various degree programs/ CUs.

184. To remove the ambiguity in date of commencement/ completion of a student's Thesis, Project, Internship and/ or CSP, forms have been formulated as a standard document for said results endorsement, and submission to the Exams Dte through CMS. This will further assist the Standing Committee in making decisions pertaining to Medal Awards for Convocations.

185. In principle approval for proposed forms has been accorded by the Rector on case file, while ratification of the Academic Council is required for implementation. Same are attached as Appendix 3324 (page 216).

Decision 3324

186. The Council ratified the proposed templates to forward Thesis/Project/Internship and CSP results of respective program through CMS as already approved on file by the Competent Authority. Approved templates of the Forms are placed at Appendix 3324 (page 216).

187. Point dropped.

Action Required	Action by	Responsibility of
Implementation of the Decision	Director Examinations Director Campuses of all CUs Director IT	-
Documents/Website affected:	Updating Local portal of documents available to all Campuses	

Item 3325: Functioning of PNNC and its MCQ Bank at Examination Department of BUMDC Karachi

Sponsors: Dean HS

Referral Authority: FBOS HS

Summary of the Case

188. PNNC is the Constituent Unit of BU as approved in 38th BOG meeting and is functioning administratively under PNS SHIFA and academically under BUMDC. Accordingly, the examinations of nursing are conducted by BU. Therefore, it is recommended that MCQs/SEQs bank should be established and maintained at the BUMDC examination department whereas, all academic activities like curriculum, TOS, course codes and paper moderation are to be looked after by Dean Health Sciences vide reference DE/BUMDC/2019/3533 dated 13 February 2019.

Furthermore, PNS SHIFA will continue to fulfill the requirements of faculty, administrative and supportive staff as per HEC/PNC Criteria. These instructions/ practice were discussed in FBOS HS and need to be approved by the Academic Council.

Decision 3325

189. The Council approved the following:

- a. MCQs/SEQs bank pertaining to PNNC be established and maintained at BUMDC Examinations Department.
- b. All academic activities of PNNC like curriculum, TOS, Course Codes and paper moderation are to be looked after by Dean Health Sciences.
- c. PNS SHIFA will continue to fulfill the requirements of faculty, administrative and supportive staff of PNNC.

190. Point dropped.

Action Required	Action by	Responsibility of
Implementation of the Decision	Director Examinations Dean HS/Principal BUMDC Principal PNNC	-
Statutory Documents affected: -		

Item 3326: Mechanism of offering of elective courses for MPhil Programs at BUMDC

Sponsors: Dean HS

Referral Authority: FBOS HS

Summary of the Case

191. Academic Mock Audit of MPhil Programs of BUMDC was conducted on 2-3 April 2019 and it was observed that proper mechanism should be defined for offering elective courses at MPhil level. The following mechanism has been defined and presented to FBOS of Faculty of Health Sciences and recommended by FBOS for approval of ACM:

- a. A Form of elective course has been developed which is to be filled by each candidate in semester-2 for Elective-I & in semester-3 for Elective II & III.
- b. List specifying title of courses being offered by each department will be attached with the form

Decision 3326

192. The Council approved the following:

- a. A Form of elective course placed at Appendage 3326 (page 218) to be filled by the candidates in Semester-2 for elective-I and in Semester-3 for Elective-II & III.
- b. List specifying title of courses being offered by each department is to be attached with the form.

193. Point dropped.

Action Required	Action by	Responsibility of
Implementation of the Decision	Director PGP Principal BUMDC	-
Statutory Documents affected: -		

Item 3327: Contact hours for teaching internship of MPhil scholar per week at BUMDC

Sponsors: Dean HS

Referral Authority: FBOS HS

Summary of the Case

194. Academic Mock Audit of MPhil Programs of BUMDC was conducted on 2nd-3rd April 2019 and it was observed that teaching to medical students as an internship is mandatory for all MPhil students. However, number of contact hours to teach during the MPhil degree have not been specified. The observation was deliberated in FBOS of Faculty of Health Sciences and recommended number of contact hours for teaching as internship to ACM for approval.

Decision 3327

195. The Council approved the Contact Hours for teaching of MPhil students in each semester as per details mentioned at Appendage 3327 (page 221).

196. Point dropped.

Action Required	Action by	Responsibility of
Implementation of the Decision	Dean HS Director Admissions Director PGP	-
Statutory Documents affected: Prospectus		

Item 3328: Appointment of external examiners and their remuneration at BUMDC

Sponsors: Dean HS

Referral Authority: FBOS HS

Summary of the Case

197. Since the start of BUMDC Karachi, the nomination of External Examiners is being processed at BUHO. The external examiners are usually nominated about one month in advance for the examination. It is pertinent to mention that annual examinations of other medical colleges/universities are also carried out on parallel dates in same time period. At times, it is difficult for externals to be available on due dates of examination. Therefore, due to own commitments External Examiners refuse to conduct the examination on scheduled dates. Although alternate External Examiners are being arranged during that period but it is not an easy

task. FBOS of Faculty of Health Sciences recommended that Dean/DG BUMDC may be authorized to select /nominate the external examiners under intimation to BUHO.

Decision 3328

198. The Council approved that Dean HS is authorized to nominate/appoint the external examiners out of the panel list approved by the Competent Authority.

199. Point dropped.

Action Required	Action by	Responsibility of
Implementation of the Decision	Dean HS Director Examinations Director HS	-
Statutory Documents affected: -		

Item 3329: Cancellation of Admissions and Fee Refund Matters - MBBS, BDS and Semester Based Programs

Sponsors: Dean HS

Referral Authority: FBOS HS

Summary of the Case

200. Since the start of BUMDC Karachi all the admissions cancellation and fee refund cases were processed at BUHO. Later on vide reference wef 1st July 2018 all fee and refund of fee cases like other CUs, BUMDC was authorized to settle the cases at their own. However, with regards to authority for admission cancellation was not clarified in the same letter and BUMDC is to forward all the cases of admission cancellation to BUHO.

201. The case was presented in FBOS of Faculty of Health Sciences. After detailed deliberation, the recommended by FBOS for approval of ACM are:

“Based upon PMDC Regulations 2018 and BU Academic Rules 2016, it is recommended that for MBBS and BDS programs admission cancellation the concerned Principal of Medical/Dental be authorized. Whereas for semester based programs admissions cancellations, DG/Director BUMDC may also be authorized. However, for all fee and refund of fee cases of MBBS, BDS and semester programs, DG BUMDC is authority, vide BUHO letter referred above”.

Decision 3329

202. The Council resolved the following:

- a. Admission cancellation of MBBS and BDS programs be approved by concerned Principals, whereas the cases of semester based programs be approved by DG BUMDC. However fee refund cases of all programs be approved by DG BUMDC.
- b. A reasonable amount based on the fee refund data of last 3-years may be provided to BUMDC which is to be shifted back to operational account at BUHO upon completion of admission process of MBBS and BDS of the respective batches. Director Finance and Dean HS are to work out the amount required to be shifted to BUMDC based on the last 3-years fee refund data.

203. Point dropped.

Action Required	Action by	Responsibility of
Implementation of the Decision	Dean HS Director Finance Principals Medical & Dental Colleges	-
Statutory Documents affected: -		

Item 3330: Implementation of ACM Approved Academic Program Roadmaps by Constituent Units

Sponsors: Director IT

Referral Authority: File No. BU-IT/2019/257

Summary of the Case

204. ACM decision 2701 was not implemented at BUKC due wrong entry in the CMS by the BUKC staff. In order to streamline the procedure for making correct data entry in CMS of the course-roadmaps and its revision/updation has been centralized for subsequent implementation by respective constituent units. Case was processed on file and same has been approved by the Rector. As per the decision, Course Road-maps data entry of all programs will be made by Examination Directorate BUHO.

205. Based on approval by the Rector on file, Registrar Notification for Implementation of ACM approved academic program roadmaps by constituent units and its detailed SOPs for uploading new/ revised academic program roadmaps is attached for ratification.

Decision 3330

206. The Council discussed all pros and cons of the SOPs notified through Registrar Notification. After detailed deliberation, the Chair directed to revise these SOPs and process on file for approval.

207. Point remain on agenda and progress be reported.

Action Required	Action by	Responsibility of
Implementation of the Decision	Director Examinations Director Academics Director Admissions Director IT	Registrar
Documents/Website affected: Updating IT Policy, Roadmaps in CMS and Website		

Item 3331: SOP for Students' Exchange with Montana State University Billings USA

Sponsors: Director IO

Referral Authority: File No. IO/VTU/02

Summary of the Case

208. In line with the Strategic Plan of Bahria University; a new agreement for exchange of students has been approved by the Competent Authority with Montana State University Billings (MSUB), USA.

209. According to the exchange agreement, Bahria University can send students on exchange basis to MSUB. There is no tuition fee that is to be paid by the student to MSUB. The students will only have to bear their travel, living & miscellaneous expenses in USA.

210. Bahria University already has similar agreement with Yasar University (Turkey), York St. John University (UK), AIMST University (Malaysia), Izmir University of Economics (Turkey), Altinbas University (Turkey), Yeditepe University (Turkey) & Sapienza University (Italy) with the SOPs for selection and credit transfer process.

211. Keeping in view the practice followed for the other six universities, an SOP was prepared on the similar lines defining the students' selection and credit transfer mechanism under the exchange program. The same has been approved by the Competent Authority. SOPs for the Exchange of Students with Montana State University Billings, approved by the Competent Authority are presented for ratification by the Council.

Decision 3331

212. The Council ratified the SOPs as already approved on file by the Competent Authority for the Exchange of Students with Montana State University Billings as placed at Appendage 3331 (page 222).

213. Point dropped.

Action Required	Action by	Responsibility of
Implementation of the Decision	Director IO	-
Statutory Documents affected:	-	

Item 3332: Ratification of Unified Course Codes (UCC) Handbook

Sponsors: Director Examinations

Referral Authority: File No. BU-DE/2015/17

Summary of the Case

214. Existing updated version of BU Unified Course Codes handbook was printed in March 2017. As per format of UCC, department-wise courses along with respective course code and credit hours, were listed. But it does not include the authority/ACM approval of listed courses. To make the handbook more authentic, respective departments were approached by the Exams Dte for ACM references. After an extensive working and scrutiny of records, ACM references of all the courses contained therein have been identified. However, approval authority of 41 x courses of MS Deptt was missing which needs to be approved by ACM. It may also be highlighted that these courses are regularly being offered in respective academic programs.

215. List of these Courses is attached for retrospectively approval/ratification of the Council.

Decision 3332

216. The Council retrospectively ratified updated version of Unified Course Codes (UCC), already approved by the Competent Authority as mentioned at Appendage 3332 (page 226).

217. Point dropped.

Action Required	Action by	Responsibility of
Implementation of the Decision	Director Examinations	-
Statutory Documents affected: UCC Booklet		

Item 3333: Ratification of Policy for Difference in Name from CNIC/Form B/Passport

Sponsors: DE

Referral Authority: File No. BU/DE/2017/597

Summary of the Case

218. BUHO Exams Dte prepares BU Degrees and transcript benchmarking respective SSC certificates for printing students' credentials, including his/ her name and father's name. However, deviation in name spellings/ surname, etc, leads to processing of revised degree/ transcript requests, which takes considerable time of BUHO working as well as extra resources of students. To resolve the same, a policy was formulated by the Exams Dte, containing instructions for comparing the students' credentials with his/ her CNIC/ Form B/ Passport in order to identify and resolve name change issue (if any). The Policy has been promulgated by the Registrar office for implementation across all BU CUs on 22 May 2018 and BUMDC on 8 February 2019. However, said Policy has to be ratified by BU Academic Council for inclusion in BU Academic Rules/Admission Policy.

219. Upon Ratification of the Policy, it is recommended to include following points in BU Academic Rules:

- a. Documents of new students should be scrutinized at the time of admission by the Admission Office of respective BU Campus. In case of any difference in name of the student and/ or his/ her father from that on respective CNIC/ Form B/ Passport and relevant academic credentials/ documents, the individual may be advised to resolve the mismatch through change of document(s) containing incorrect particulars, while continuing the admission process.
- b. During registration of admitted students, BUHO Exams Dte may also scrutinize their particulars for any mismatch in name on CNIC/ Form B/ Passport, and advise through respective Director Campus these student having said anomaly, to resolve it prior academic program completion.

220. Following points of promulgated Policy may also be ratified by the Academic Council, followed by confirmation of their compliance (as applicable):

- a. Records of already registered students with single name who have still not graduated may be scrutinized by each BU Campus for matching with respective CNIC/ Form B/

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Passport; starting with the final semesters. Those found to have difference in name be advised to resolve the anomaly to avoid any need of revised degree at a later stage.

- b. Status quo may be maintained for the students who have already been issued with degree/ final transcript. Change of degree/ transcript may be pursued by them as and when required, through prevailing BU procedures for issuance of revised degree/ transcript.

Decision 3333

221. After a prolonged discussion, the Council resolved that status quo be maintained. Further, it was clarified that the said issue being an administrative matter should not have been referred to ACM.

222. Point dropped.

Any Other Items

223. Following points were included as any other items in the agenda with permission of the Chair.

Item 3334: Inclusion of BS Nursing Graduates in 6th Convocation Ceremony

Sponsors: Dean HS

Referral Authority: FBOS HS

Summary of the Case

224. Seven students appeared and qualified in BS Nursing Session 2014. However, one student has been terminated on disciplinary grounds. Hence only six students are recommended for inclusion in the forthcoming convocation. Accordingly, as per BU Academic Rules, Chapter-9 clause 9.2 like MBBS/ BDS graduates, the BS Nursing Graduates may also be awarded degrees, merit scholarship and merit / distinction certificates.

Decision 3334

225. The Council resolved that:

- a. Nursing graduates be included in next convocation for award of degree.
- b. Proposal to award medals, other awards and distinction certificates to BS Nursing graduates was not approved as it was put up without its detailed criteria. However, it may be taken up later with complete details and its comprehensive eligibility criteria on file to the Competent Authority for approval.

226. Point dropped.

Action Required	Action by	Responsibility of
Implementation of the Decision	Registrar Director Examinations Director HS Dean HS Principal PNCC	-
Statutory Documents affected: -		

Item 3335: DPT Duplicate Course Titles

Sponsors: Dean HS

Referral Authority: FBOS HS

Summary of the Case

227. Course Codes of DPT approved in 32nd ACM.

228. The Course Codes were developed with collaboration of BU Examinations department.

229. Director Examinations, BUHO identified some of the course titles from DPT roadmap as duplicate with MLT & BS Nursing Programs.

Decision 3335

230. The Council approved the courses titles and Course Codes for DPT Program as placed at Appendage 3335 (page 228).

231. Point dropped.

Action Required	Action by	Responsibility of
Implementation of the Decision	Director Examinations Director Admissions Director IT Dean HS	-
Documents/Website affected: Updating Unified Course Codes Book, Prospectus and BU Website		

Item 3336: Amendment of Duplicate Course Title in BS MLT

Sponsors: Dean HS

Referral Authority: FBOS HS

Summary of the Case

232. Titles of few Courses have been identified as duplicate Title of the courses of other Programs. The matter was discussed in meeting with Director Examinations, Director Quality Assurance and Director Health Sciences through VLC on 5th April 2019. After review of courses, it was decided that due to difference in curriculum, course title may be amended.

Decision 3336

233. The Council approved the amendment in Course Title of the Courses in BS MLT as placed at Appendage 3336 (page 232).

234. Point dropped.

Action Required	Action by	Responsibility of
Implementation of the Decision	Dean HS Director Examinations Director IT	-
Documents/Website affected: Updating Unified Course Codes Book and Website		

Item 3337: PMDC Rule(s) Regarding MPhil Students Cumulative/Separate Pass Percentage of a Course

Sponsors: Dean HS

Referral Authority: FBOS HS

Summary of the Case

235. In VLC meeting of BUMDC with Director Examinations, his team, DHS & DQA on 5th April 2019 to refine the MPhil Programs, Examination rules, evidence was asked from PMDC guidelines, if any regarding cumulative passing of candidate.

236. In PMDC PG Rules July 2018 - Postgraduate Medical /Dental Education Standards and Regulations- Standard 7: Assessment page # 50 under heading "Important points to consider" page # 51 point # 03.

"If the student secures less than 60% marks cumulative, he/ she will not qualify for award of degree."

237. Interpretation of this rule could be that in MPhil Programs of BUMDC students have to secure 60% cumulative marks (Theory and lab combined) to pass any course. Accordingly, if the student fails he has to repeat both theory & lab component.

Decision 3337

238. The Council approved that in MPhil Programs of BUMDC, students have to secure 60% cumulative marks (Theory and lab combined) to pass any course. Accordingly, if the student fails in theory or lab components he has to repeat both.

239. Point dropped.

Action Required	Action by	Responsibility of
Implementation of the Decision	Director Examinations Director PGP Dean HS	-

Statutory Documents affected: MS/MPhil Rules and Examinations Policy

Item 3338: Correction in the roadmap of LL.M (General) program as approved in 25th Academic Council Meeting

Sponsors: HOD (Law) BUIC

Referral Authority: FBOS MSS

Summary of the case

240. The Proposal to launch LL.M (General) was approved in 25th ACM held in October 2015 vide item No. 2517. The whole proposal was drafted as per the criteria provided under HEC Curriculum 2006 that *inter alia* provides the following;

- a. The LL.M program shall be based on semester system having four semesters.
- b. LL.M degree program shall be of thirty credit hours (Twenty-four credit hours for the course work and six credit hours for the thesis).

241. However, it has been observed that the Roadmap is not as per prescribed format due to which exam department is unable to issue the transcript to the students. Therefore, the same Roadmap is attached as per standard format which may be added in the record of 25th ACM. Thus, Roadmap as per standard format of LL.M (General) along with list of elective courses as already approved in 25th ACM is presented to the Council for its retrospective approval.

Decision 3338

242. The Council retrospectively approved the roadmap of LL.M (General) as per prescribed format attached at Appendix 3338 (page 233).

243. Point dropped.

Action Required	Action by	Responsibility of
Implementation of the Decision	Director Examinations Director Admissions Director IT HOD (Law) BUIC	-
Documents/Website affected: Updating roadmap in CMS, Prospectus and Website		

Closing the Meeting

244. The Secretary drew the attention of the House to the following timeline for follow-up actions and the next ACM:

1 st Progress Report on the Action Items of the 33 rd ACM:	2 nd July 2019
2 nd Progress Report on the Action Items of the 33 rd ACM:	2 nd September 2019
Dead line for Agenda Items for the 34 th ACM:	2 nd September 2019
Schedule of 34 th ACM:	1 st & 2 nd October 2019

245. The Chair thanked the House for participation in the proceedings and expressed his satisfaction that all decisions made during the ACM would be beneficial for improvement in academics and research domain of Bahria University. During his closing Remarks, the Rector said that we all should be on one page and should work as per rules and regulations.

246. He further emphasized that Faculty is the center of gravity and lot of improvement is needed for the evaluation of the faculty. Marks assigned to a faculty should be commensurate with the remarks/pen picture. The Rector also directed all sponsors to send their agenda items through respective DGs/Directors. Accordingly, petty issued should be settled at DG level.

247. He further showed his concern on very slow response of the sponsors in dispatching progress on action items and sending new agenda items. He directed DAA to strictly follow the time line mentioned above as per following detail:

- a. Agenda items should not be accepted after due date, which is one month before the ACM.
- b. Agenda items should be processed on file by DAA for approval 15 days before ACM.

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- c. Agenda document should be dispatched 10 days before ACM.

Dated: 30th May 2019

Fazal Wahab
Secy Academics Council

MODERN TEACHING TECHNIQUES**Continuous Professional Development Program**

1. Leadership Development Center is endeavoring to create a mechanism and a yard stick to measure the training and development needs of the faculty culminating into skill development interventions and initiative in the form of CPD Program.
2. A mechanism is needed to objectively devise a skill development program tailored to the needs of faculty and demands of the industry. A device of the aforementioned competence will assist Bahria University to yield most return on intellectual and financial investments. LDC propose the following matrix with areas for CPD Program based on faculty inclination, designation, service with BU and years of experience.

**Designation	Lecturer	Assistant Professor	Associate Professor	Professor
**Service with BU	0-5	5-10	10-15	15-20+
**Year of Experience	0-5	5-10	10-15	15-20+
Areas	Training			
	Teaching		*A	
	Consulting			
	Research			
	Any other proposed area			

*A means interventions for enhancing for Teaching Excellence for an Associate Professor with 10 to 15 years of service with BU and/or 10 to 15 year of academic or industry experience

** Must be read independent of each other.

3. The response on procedural, technical and implementational aspect of the initiatives/interventions with regards to the CPD for faculty has been solicited from the respective academic leaders.

Trainings for Modern Teaching Techniques**Faculty Retreat: Student Learning at BUIC/BUKC by Dr. Patricia Omidian**

4. Dr. Omidian is a well-established trainer in the realm of Faculty Development and conducted a training in summer 2018 for faculty of Karachi Campus and Islamabad Campus.

Details of the Courses

5. The objective: of this two-day workshop are:
 - a. To explore faculty understanding of a 'student learning' perspective through a participatory process.
 - b. To prepare faculty to incorporate a skills/attitude model into their courses.

- c. To learn to enrich courses by the use of technology in teaching.
- d. To strengthen the advising program.

6. The workshop was broadly structured as follows:

- a. READINGS: Read the night before with materials shared by email before start of program.
- b. In the first hour of class, participants meet in small groups to critically analyze the readings. Discussion questions were provided to each group each morning.
- c. Next, the plenary discussion which highlighted theoretical and experiential information pertinent to the day's activities.
- d. Faculty then worked in small groups on various activities that are pertinent to that day's discussion and topic.

British Council's Teaching English Radio

7. Bahria University was selected for being one of the few recipients from many across Pakistan for British Council Pakistan's new Teaching English Radio booklets. This was for the continuous professional development of English language professionals, teachers and practitioners, and also for teachers who teach other subjects in English across Pakistan.

8. Teaching English Radio: British Council Pakistan's Teaching English Radio was a free radio production especially designed for teachers of English worldwide. Already popular in over 30 countries, Teaching English Radio was broadcasted in Pakistan on FM 101 every Saturday at 5:30 pm.

9. English language teachers from all over Pakistan tuned into radio and improved their teaching skills – fifteen minutes at a time - for free. Every Saturday evening, teachers got solid, practical tips, advice and strategies on how to solve common everyday teaching challenges they routinely face while teaching English in their classrooms, for example:

- a. How to handle large classes
- b. Pair and group activities
- c. Teaching pronunciation, grammar, writing, reading and much more.

10. Each Teaching English Radio episode came accompanied with a Teacher Support Worksheet. For example, the radio episode on 'Teaching pronunciation' had a two-pager teacher support worksheet on the same topic, teaching pronunciation, designed for a teacher's reflection and peer discussion practice.

11. Each booklet set was handed over to each teaching staff member with a copy of the cover letter for Faculty. The cover letter for Faculty had the Competition details. The competition was a fun activity for teachers to enter and a chance of winning amazing prizes!

Micro Teaching

12. Microteaching is organized to practice teaching in a supportive, low-risk environment. Participants prepare a 10-minute lesson plan, teach it at a workshop to a small group of peers, and receive detailed feedback on their teaching strategy and performance.

Microteaching is an efficient, proven, and engaging way to help teachers of all levels gain experience and confidence trying out and observing different teaching methods.

13. The Microteaching Workshop is a 2-day workshop. Each participant teaches a 10-minute interactive mini-lesson to the group, which is videotaped by a facilitator. Each mini-lesson is followed by a 10-minute reflection period in which the participant-instructor views their recorded lesson. The participant-instructor then returns to the group for 10 minutes of constructive conversation with the other participants. Peer feedback, focusing on both instructor strengths and suggestions for improvement, is an important part of microteaching, and each participant is expected to give and receive helpful feedback.

14. While a 10-minute limit might seem short, it helps to approach unit of microteaching as a single element within a lesson. In a normal class period, a typical lesson will combine multiple concepts or skills within the same topic, yet teachers often are not trained to break down their lessons into individual concepts or skills. Identifying single concepts and planning a single concept lesson or skill development lesson is itself an important ability. Microteaching help teachers identify single concepts or constituent skills and learn how to create learning modules from which longer lessons can be constructed

Teaching as a Profession

15. The workshop is an interactive and experiential workshop dedicated to helping faculty members learn the dynamics of teaching as a profession and be more creative with teaching style.

16. The workshops offer tools and techniques that educators can implement to help them develop their creative, collaborative, as well as out-of-the-box thinking, self-confidence, leadership, and respect for peers.

17. The workshop stresses the idea of teamwork and sharing work in intimate groups. Such work helps individuals become self-confident of their teaching methods. Faculty spend so much of their time encouraging and supporting their students. At times, faculty forget to nurture themselves. The workshop devotes time to techniques in mindfulness, self-nurturing, and curiosity.

Course Outline Designing & Outcome Based Teaching

18. This is a hands-on workshop on Outcomes-based Teaching (OBT). OBT is a curriculum design framework to teaching and learning that helps faculty to focus on first identifying the intended outcomes or goals of a module or programme and then aligning teaching, learning, and assessment to maximise the likelihood that students achieve those outcomes or goals. This is embodied through the concept of constructive alignment where the assessment and teaching activities are aligned to achieve the learning outcomes.

19. Traditionally, curriculum design is organized around a list of topics to be covered and the teaching strategies. For example, faculty may design a course by first thinking about what are the list of topics that are to be covered and then fitting in the topics to the weekly schedule. Thereafter the faculty plans the assessment based on the amount of course content that can be covered within the given time.

20. The workshop is designed to put OBT concepts to practice.

Anti-Plagiarism Software Training for Effective Teaching

21. Plagiarism detection is the process of locating instances of plagiarism within a work or document. The widespread use of computers and the advent of the Internet has made it easier to plagiarize the work of others. This results in poor acquisition of key skills and hampers the learning process and academic assessment. To keep the faculty abreast with the latest trend of pedagogical innovations especially in digital technologies the workshop takes a keen look at the working of Anti-Plagiarism Software like Turnitin.

BUMDC DENTAL SECTION – RE-INSPECTION REPORT

Web Site : www.pmdc.org.pk
Email : pmdc@pmdc.org.pk



UAN : 111-321-786

Tel : (92 51) 9106151-54

Fax : (92 51) 9106159

The Principal,
Dental College,
Bahria University Medical & Dental College,
DHA Phase-II,
Adjacent to PNS Shifa,
Karachi.

No. PF. 12-F-2018 (Insp.)/ 1247

The Statutory Regulatory & Registration Authority for
Medical & Dental Education and Practitioners

**PAKISTAN
MEDICAL & DENTAL COUNCIL
G-10/4, Mauve Area,
ISLAMABAD.**

Dated: 11th January, 2019

**SUBJECT: COMPREHENSIVE RE-INSPECTION OF DENTAL COLLEGE, BAHRIA
UNIVERSITY MEDICAL & DENTAL COLLEGE, KARACHI CONDUCTED
ON 20TH DECEMBER, 2018.**

Dear Sir,

Reference to Comprehensive Re-inspection of Dental College, Bahria University Medical & Dental College, Karachi was conducted on 20th December, 2018. The inspection report was placed before the Executive Committee in its meeting held on 02nd January, 2019. The decision of Executive Committee is reproduced below:

"The Executive Committee was informed that the comprehensive re-inspection of Dental Section - Bahria University Medical & Dental College, Karachi (BDS) was conducted on 20th December, 2018 whereby the College scored 781.5 / 1000 marks. The Executive Committee was further informed of the comments of convener reproduced as under:

1. The legal status working should be done by the concerned PM&DC experts' team.
2. The Medical & Dental College along with the dental hospital are in the same building. The dental hospital is situated on 6th & 7th floors of the same building which is inaccessible to the patients.
3. The observations made by the previous inspection team dated 09-04-2018 have not been rectified yet.
4. There is only one designated lecture hall for dental students and four lecture halls are under construction.
5. The tutorial rooms are deficient in number and not upto the mark. Moreover, CSSD in dental section should be in one unit.

The Executive Committee pointed out that the college is constructed on Pak Navy land, which is considered to be A1 land and MOU to the extent of affiliated college is acceptable. Pakistan Navy is one of the forces like Pak-Army and its land belongs to Pakistan Navy. Regarding legal marks the Council agreed that 30 marks of legal are to be given to the college. The Committee held detailed deliberation on the inspection report and remarks of inspection team and convener. Regarding separate hospital and college building the Committee concerned that this deficiency has still not been met by the college, therefore it was decided that the Principal will be called for personal hearing in before the Council. It was further decided that the admission of college will be stopped provided admission are not already done by conducting university.

The Executive Committee recommended the above to the Council for approval."

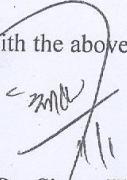
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The Decision of the Council in its 191st Session held on 02nd January, 2019, is mentioned below;

"Considering complete merit of the case and having deliberate discussion the Council unanimously approved the recommendations of the Executive Committee meeting held on 02nd January, 2019."

In the light of above, you are directed to comply with the above decision in true letter and spirit.

With best regards,


(Dr. Sitara Hassan)
Acting Registrar

For Info:

- The Vice Chancellor, National University of Medical Sciences, Rawalpindi Cantt.

C.c.

- CLO, PM&DC
- CPRO, PM&DC with the directions to update the official website of PM&DC.
- Incharge, Registration Section PM&DC.
- Incharge, Student Registration Section PM&DC.
- P.S. to President, PM&DC.
- P.S. to Acting Registrar, PM&DC.

GROOMING STUDENTS, FRAMEWORK FOR - REPORT

Har Lehza hai Momin

1. Leadership Development Center has been entrusted with the responsibility of grooming students in a manner which not only facilitates assimilation of Bahria Graduates into the workforce but also transforms the student into a productive, patriotic, socially responsible and religiously aware individuals.
2. The aforesaid transformation is a product of rigorous training and mentorship via curricula taught and supplementary knowledge augmentation. The later of the aforementioned is brought to fruition by means of exposure of students to various schools of thought with the assistance of the leading minds and opinion leaders.
3. LDC initiated a series of dialogue with thought leaders in various intellectual domain to have facetime with the students of Bahria University. The objective is to provide a platform which goes beyond the usual monologue and creates interactivity that results into a tangible outcome in the form of character building.
4. The speakers for the series are invited with international and national iconic standing in the realm of:
 - Ethics, Morality and Values
 - Society, Gender and Religion
 - Succeeding in Personal and Professional Life
 - Globally Employable Graduates
 - Comparative Religions
 - Islamic Jurisprudence
 - Social and Financial Justice
 - Iqbaliat
 - Nation Building
 - Sufi Traditions
 - Muslim History
 - Any other proposed areas of similar nature
5. The speaker from all walks of life including business leaders, religious scholars, diplomats, professors, leaders from various walks of life are invited after thorough vetting and approval of competent authority. The schedule for the sessions is as under:

Schedule for Dialogue Series 'HAR LEHZA HAI MOMIN' for Student Grooming

Islamabad Campus Spring 2019

Sr No.	Name of Trainer	Topic	Date	Status	No of Attendees
1	Dr. Ghulam Dastageer	Islamic Laws for Personal Development	4 th week of February	Conducted	60
2	Abid Iqbal Khari	6 P's for Positive Nation Building of Pakistan	1 st Week of March	Conducted	70
3	Ali Raza Naimati	Islamic Laws of Contract & its Probation in Your Life	2 nd Week of March	Postponed	
4	Shykh Tauqeer	'A Sound Heart' Character Building in the Light of Quran & Sunnah	2 nd Week of March	Conducted	100
5	Dr Nusrat & Team	Surah Ar Rahman Training for Character Building	3 rd Week of March	Postponed	
6	Khurram Elahi	Iqbal & the Modern Conditions	4 th Week of March	Postponed	
7	Ahtisham ul Haq	Limiting Believes & Out of the Box Thinking	2 nd Week of April	Postponed	
8	Zeeshan Shafqat Malik	Succeeding in Personal & Professional Life	3 rd Week of April	Postponed	

Lahore Campus Spring 2019

Sr No.	Name of Trainer	Topic	Expected date of 2019	Status	No of Attendees
1	Dr. Qamar Zaman	Globally Employable Graduates	5-Mar-19	Postponed	
2	Mr. Yahya Rashid	Society, Gender and Religion	12-Mar-19	Postponed	
3	Mr. Hamid Saeed	Dress for Success	27-Mar-19	Conducted	130
4	Dr. Anjum Tahira	Iqbaliyat	24-Apr- 19		

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5	Mr. Rizwan Ahmad Khan	Nation Building	8-May-19		
6	Maulana Ali Usmani	Ethics, Morality and Values	16-May-19		
7	Mr. Asif Iqbal	Nation Building	21-May-19		
8	Miss. Faryal	Succeeding in personal and professional life	30-May-19		

Karachi Campus Spring 2019

Sr No.	Name of Trainer	Topic	Expected date of 2019	Status	No of Attendees
1	Mr. Javed Jabbar	Succeeding in Personal and Professional Life	3rd week of February 2019	Postponed	
2	Mr. Nadeem Hussain	Globally Employable Graduates	4th week of February 2019	Postponed	
3	Justice (R) Wajihuddin Ahmed	Islamic Jurisprudence	3rd week of March 2019	Postponed	
4	Dr. Zehra Shazaib, MBBS Ma'am Faiza Wahab, Speech Therapist	Beauty with Brains – "Successful Women of the 21st Century"	20th March 2019	Conducted	100-120
5	Dr. Shahid Hassan Siddiqui	Social and Financial Justice	1st week of April 2019	Postponed	
6	Mr. Ishtiaq Baig	Nation Building	2nd week of April 2019	Postponed	
7	Mufti Muhammad Zubair Nawaz	Getting the most out of Ramadan	Last week of April 2019	Postponed	
8	Dr. Bashir Ahmed	Allama Iqbal & Quran	4th Week of April 2019	Postponed to 1 st week of May	
9	Sultan Ahmed Ali	Iqbal and Youth	2nd week of May 2019		

10	Molana Tariq Jamil	The Practical Aspects of Islam	4th Week of May 2019		
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Quran Course

6. LDC in collaboration with Al Falah Manzil Trust has organized two batches (2nd Batch in progress) of Quran Course for Faculty, Staff and Students on the approval and directive of Worthy Rector. The course is spread over 14 weeks and consist of 20 contact hours of training.

7. Mr. Arshad Iqbal Malik, Chairman Al Falah Manzil Trust is the resource person for the training and has agreed to provide the training gratis for Bahria University.

Course Details**50% of the Quran in just 20 hours**

8. The attendees study 20 hours in total, divided over 10 sessions [2 hours per week] in which the participants learn 125 words that occur in the Quran 40,000 times (out of a total of approx. 78,000 words). That comes to 50%! Upon the conclusion of the course the attendees are able to understand half of the words on each page of the Quran.

Study Program

9. The easiest way to understand Arabic is through Salah. The Arabic text is already known to participant therefore course covers following:

Surah Al-Fatihah & the last six Surahs of the Quran

Different parts of Salah (prayer)

Basic necessary Grammar

Exclusive: unique iman boosting lessons in each part.

10 Aim of the course

- Encourage daily recitations (in salah and others) with understanding.
- Improve concentration in Salah and relationship with Allah.
- Demonstrate that the Quran is not a nice thing to have, but the must have guideline to succeed in life.
- Clarify the misconception that the Quran is difficult to understand

11. Benefits of Quran Course

The Key Formula to prioritize all Quran activities!

Effective, Research-Based Approach; to ensure the effective learning.

'how to' lessons; interact, imagine, feel and how to recite the Quran;

Revolutionary Technique for learning grammar; TPI (Total Physical Interaction);

Learning materials provided in the form of videos, mp3, PDF slides, textbook, workbooks.

Pre-requisite:

12. For the course participant should be able to Read Quran.

13. LDC has successfully run one complete cycle of Quran Course and the second batch is in progress.

14. For marketing of the Quran Course and to create greater impact especially amongst the students LDC employed following publicity tools:

- a. SMS to all Students and Faculty of BUIC

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- b. Out of Home display (20'X20')
- c. Self-Standing Display
- d. Social Media Campaign
- e. Printed Material

15. However, it has been observed that the response in second batch is not as good as the first batch despite of a more aggressive campaign. Therefore, LDC is proposing to inculcate Quran Course as part of undergrad curricula. A separate agenda point is being tabled in ACM to address the aforesaid.

16. The implementation strategy for operationalization of student grooming program has been conceived and presented to the worthy Rector BU. A complete psychometric mapping and cumulative skill development average system has been proposed. Experts pertaining to the aforesaid have been approached for engagement. LDC is also exploring in collaboration with Professional Psychology department to develop inhouse capability to psychometrically gauge the students.

Appendage 33(3004)**MEASURES IDENTIFIED BY ACADEMIC AUDIT TEAM FOR IMPROVEMENT IN PNSL****Corrective Action Plan-II****Academic Mock Audit of BS (SCM), PNSL**Campus/CU: Pakistan Navy School of Logistics Date of Mock Audit: 22-23 Jan 2019Program: BS (SCM)

1. Following Team members conducted Academic Mock Audit at PNSL from 22-23 January 2019.
 - a. Dr. Farooq-E-Azam Cheema, Dean MS&SS
 - b. Mr. Fazal Wahab, DQA
 - c. Ms. Erum Shafiq, ADQA, BUKC
2. Following meander have been identified which needs to be addressed for bringing improvements in PNSL.

S#		Corrective Action Required	Responsibility	Timeframe
1.	Vision and mission of the school have not been approved by the Bahria University Academic Council. Vision of the school focuses only on training rather than including education as well.	a. Vision and mission of the school need to be processed through statutory process (FBOS) before finally getting approved by the Bahria University Academic Council.	CO PNSL	Process to be started well before the next Faculty Board of Studies (FBOS) and Academic Council meetings to be held in April, 2019
2.	PNSL has not constituted Departmental Board of Studies with ample representation of all cadres of the faculty.	b. To constitute and notify a Departmental Board of Studies (DBOS) giving ample representation to all cadres of the faculty including Dean rep and headed by the Head of Department.	CO PNSL	Immediate
3.	PNSL does not participate actively in the Bahria University statutory process.	c. Head of department of the academic programs is to attend the Faculty Board of Studies (FBOS) meetings and CO PNSL	CO PNSL	w.e.f the very next FBOS and Academic Council meeting in April 2019

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		to attend Academic Council meetings regularly.		
4.	PNSL has been awarding training certificates itself which it could not award until allowed by the Bahria University through a statutory process. PNSL has also entered into an MOU with the Sindh Board of Technical Education for endorsing its certificates awarded to the trainees without permission of the Bahria University.	<p>d. To move the statutory process for getting approval of awarding the certificates to trainees and entering into MOU with the third party, if any.</p> <p>a. PNSL also needs to get the previously awarded certificates itself or through any third party regularized by the Academic Council through initiating the statutory process</p>	CO PNSL	Process to be completed in the next Academic Council meeting in April 2019.
5.	The way the BS(SCM) curriculum is being implemented in three Phases was never approved by the Academic Council. Besides, executing the first three semesters by the PNA and conducting the examinations as well was also not approved by the Bahria University through a statutory process.	<p>f. PNSL needs to initiate statutory process for getting the phase-wise implementation process of the BS(SCM) curriculum approved ex post facto by the Academic Council including conducting the first Phase of the curriculum by PNA.</p> <p>g. PNSL also needs to get the previous act of holding the first three semesters by the PNA along with conducting the examinations regularized by the Academic Council through initiating the statutory process</p>	CO PNSL DOS PNA	Process to be completed in the next Academic Council meeting through FBOS in April 2019
6.	Due to phase-wise implementation of the BS(SCM) curriculum, duration of the BS(SCM)	h. PNSL needs to move the statutory process for ex-post facto approval of the 4.5	CO PNSL	Process to be completed in the next Academic Council meeting through FBOS scheduled in April

	program has risen to 4.5 years rather than the usual duration of 4.0 years for a BS program. But this extended normal duration of the program was not approved through the statutory process.	year duration of the BS(SCM) program by the Academic Council.		2019.
7.	None of the Faculty members coming from the naval personnel has 18 year education.	j. PNSL needs to gradually replace the under-qualified faculty with 18-year education faculty for the BS(SCM) program.	CO PNSL	By the end of Fall 2019
8.	Out of 11 civilian faculty members 4 are Assistant Professorss and remaining are lecturers. There is no Assoc Prof or Prof.	k. PNSL needs to follow the Bahria University HR Policy Manual and the NBEAC standards for maintenance of its faculty portfolio.	CO PNSL	Immediate
9.	Civilian faculty members are hired on one year contract basis subject to renewal each year with no Bahria University faculty promotion policy adopted and practiced. As a result, civilian faculty positions have been reduced to ex-cadre status resulting in low level of motivation among the present faculty.	I.PNSL needs to follow the Bahria University HR Policy Manual for determining the faculty status and undertaking faculty recruitment and faculty promotion.	CO PNSL	Immediate
10.	Bahria University faculty recruitment policy is not being followed while hiring the faculty. Nor is Bahria University Head Office (BUHO) involved in hiring the faculty. As a result, BUHO is not sure whether the hired faculty meets the Bahria University standards.	m. PNSL needs to follow the Bahria University HR Policy Manual for undertaking faculty recruitment.	CO PNSL	Immediate

11.	Bahria University performance management system for faculty is not being implemented at the PNSL. As a result, performance appraisal of the faculty is not being conducted against the Bahria University faculty performance standards.	n. PNSL needs to follow the Bahria University HR Policy Manual for undertaking faculty performance management.	CO PNSL	Immediate
12.	There is no faculty development effort undertaken by the PNSL beyond a four week compulsory course in the tenure	o. PNSL needs to follow the Bahria University HR Policy Manual and Bahria University Leadership Development Centre guidelines in the matters of faculty development.	CO PNSL	Immediately
13.	Bahria University academic rules are not being followed at the PNSL. For instance: <ul style="list-style-type: none"> • Latest rules of probation and chance are yet to be implemented. • BU rules relating to repeating the failed papers are also not being followed. • Others 	p. PNSL as constituent unit of the Bahria University is obliged to act upon Bahria University academic rules as a whole.	CO PNSL	Immediate
14.	It appears PNSL needs exemption from the standard Bahria University rules and also needs certain rules which are PNSL specific. But PNSL has never moved the statutory process for this purpose.	q. PNSL needs to thoroughly study the entire gamut of Bahria University rules and regulations and move the statutory process for seeking exemption from the standard Bahria University rules where needed and enactment of certain PNSL specific rules if required.	CO PNSL	Process to be completed before next Academic Council meeting.

15.	PNSL is not using any Campus Management System (CMS) so no information on semester management is being recorded and shared with the BU head office online. Even the class attendance system is still manual.	r. PNSL needs to develop Campus Management System (CMS) with the help of BU Head Office so that information on semester management could be shared with the BU Head office online.	CO PNSL	Immediate
16.	Bahria University examination rules are not being followed by the PNSL for conducting exams of the BS(SCM) program rather some examination rules designed by the PNSL itself are being used with following salient deviations from the BU examination rules: <ul style="list-style-type: none"> • Soft copy of the question paper is submitted along with the printed copy. • Three copies of a question paper are submitted out of which one copy is selected by the Directorate of Examinations at BUHO • Standard BU answer books are not being used. • 15 minutes rather than 5 minutes grace time for the students to enter the exam hall is being followed. • Establishment of a result verification committee with a heavy mandate. • Results of the BS(SCM) students are submitted to the COMKAR office without statutory 	s. PNSL needs to follow the Bahria University examination rules in letter and spirit. PNSL may seek exemption from the BU examination rules where it is required and seek enactment of certain PNSL specific examination rules if required.	CO PNSL	Process to be completed before next Academic Council meeting.

	permission of the Bahria University.			
17.	PNSL has not adopted mandatory community support program for its BS(SCM) program. It leaves a big void in the degrees issued to the batches during the previous years.	<p>t. PNSL has to adopt mandatory community support program for its BS(SCM) program.</p> <p>u. PNSL also needs to get the previous degrees issued without having implemented compulsory community service program regularized by the Academic Council through initiating the statutory process.</p>	CO PNSL	Process to be completed before next Academic Council meeting.
18.	<p>PNSL acts mostly in isolation with the corporate sector and does not expose its BS(SCM) students to the supply chain function and practice of the mega organizations of the local industry.</p> <p>PNSL has not established any Corporate Advisory Committee (CAC) as the Bahria University requires from each department to do.</p> <p>PNSL has not signed any MOU with national and international organizations for exposure of its students to the outside world.</p> <p>PNSL has not even benefited from the MOUs signed by the Bahria University with the national and international organizations.</p>	<p>v. PNSL needs to expose its BS(SCM) students to the supply chain function and practice of the mega organizations of the local industry in different ways.</p> <p>w. PNSL also needs to form Corporate Advisory Committee (CAC) containing experts of supply chain management.</p> <p>x. PNSL should sign MOUs with national and international organizations for exposure of its students to the outside world.</p>	CO PNSL	<ul style="list-style-type: none"> • BS(SCM) students to be exposed to the supply chain management field in the corporate sector during the spring 2019 semester. • CAC to be established immediately. • National and international MOUs to be signed by the end of June 2019
19.	Resources at the PNLS are not sufficient to effectively	y. PNSL needs to take measures for	CO PNSL	Immediate

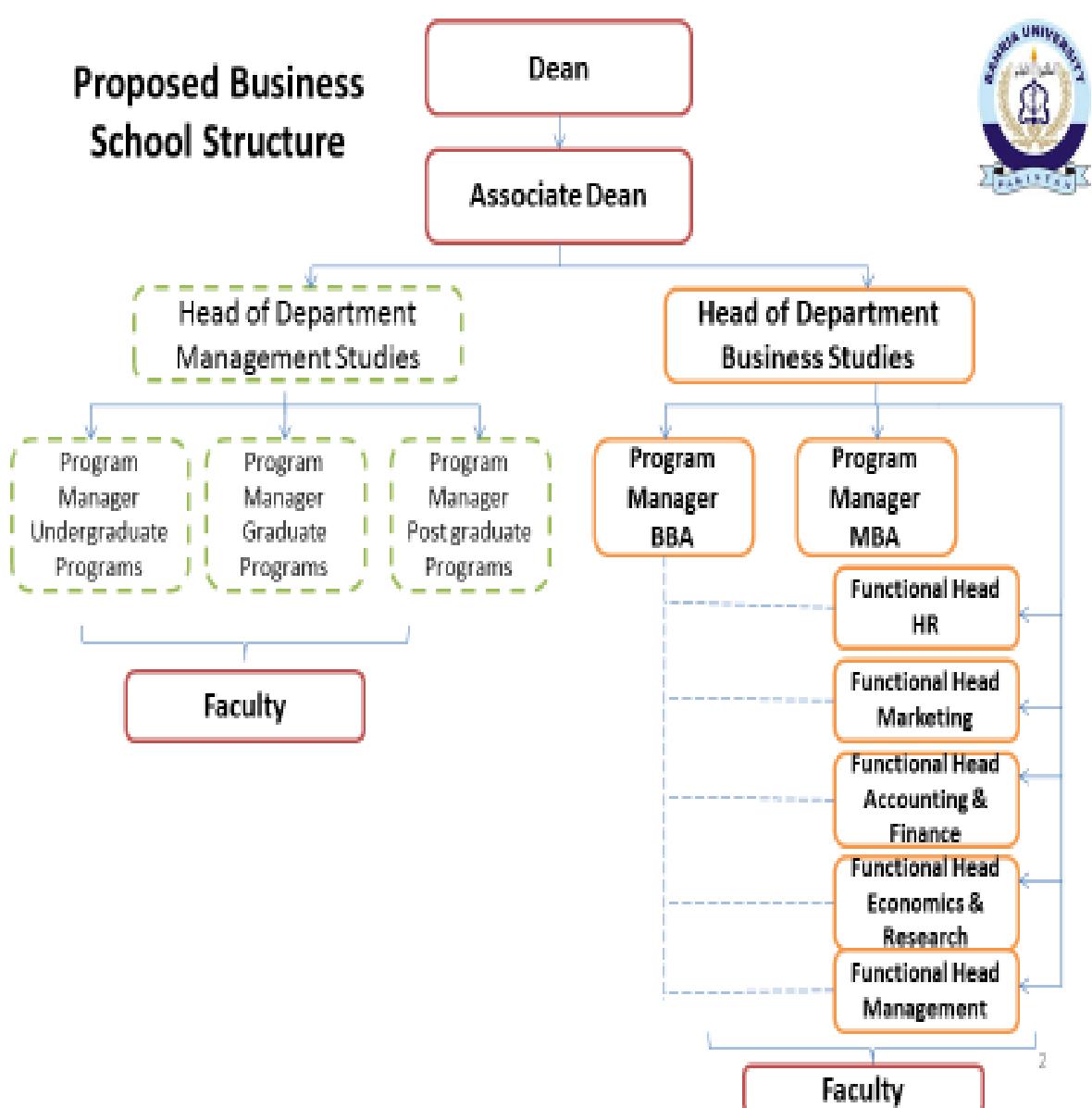
	<p>support the present programs or any future growth. For instance:</p> <ul style="list-style-type: none"> • PNSL has only 15 classrooms. • There are only three PCs containing internet connection. • There is no access to digital library. • No CMS is used at the PNSL • There are only 200 plus book titles in the PNSL library. • Library does not subscribe to any reputed international journal. • There is no full-time qualified librarian posted in the library. 	<p>improving the state of resources necessary for supporting the present programs as well as the future growth.</p>		
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Erum Shafiq
 Assist. Director Quality Assurance
 (BUKC)

Fazal Wahab
 (Director Quality Assurance)

Dr. Farooq-E-Azam Cheema
 (Dean Management & Social Sciences)

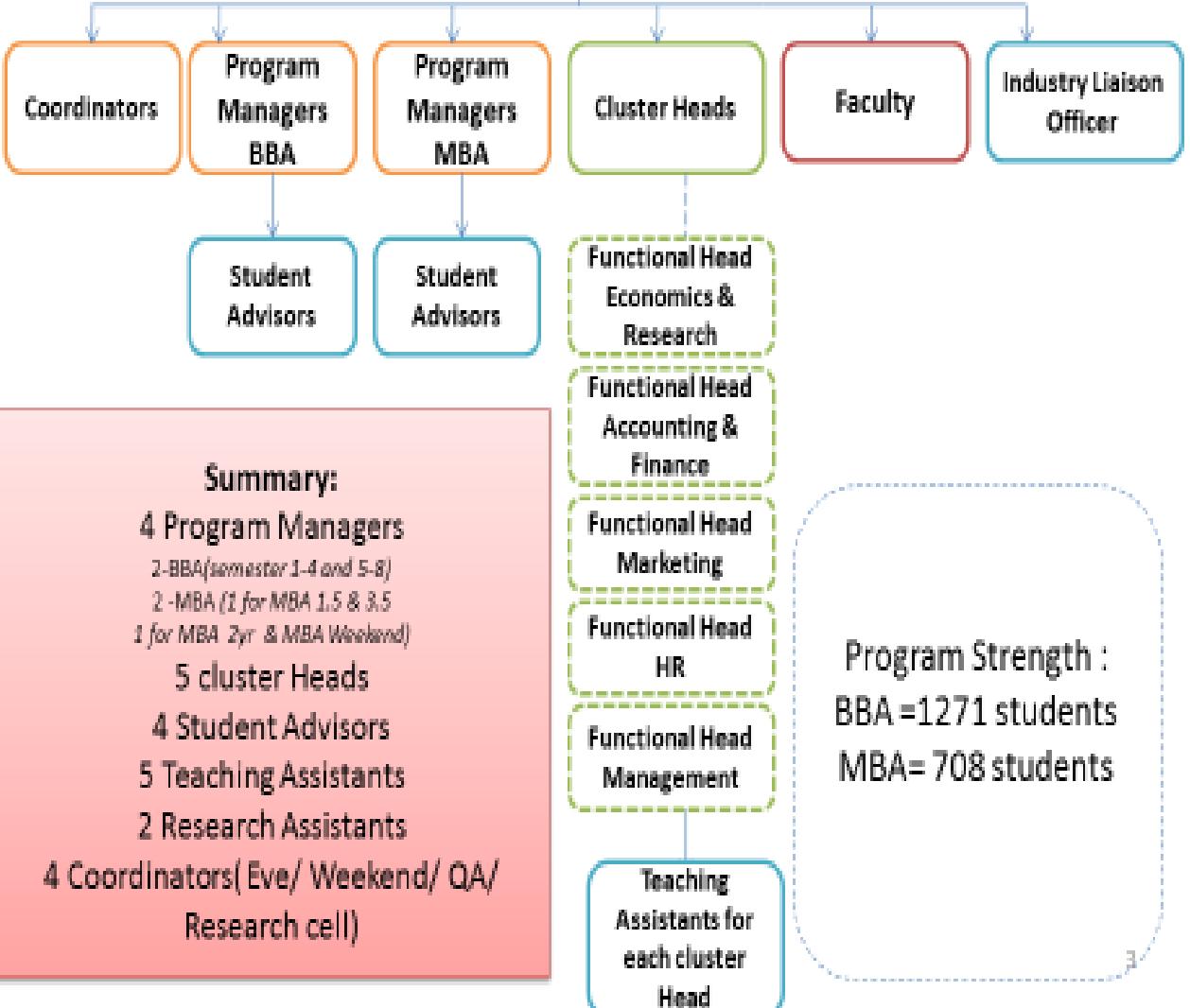
Proposed Bahria Business School Structure





Proposed Business Studies Resources

Head of Department
Business Studies





Proposed Management Studies Resources

Head of Department
Management Studies

2-Program Managers
Undergraduate Programs

2-Program Managers
Graduate Programs

1-Program Manager
Doctoral Programs

Faculty

Industry Liaison Officer

Student Advisor

Student Advisor

Student Advisor

- 1 -UG(BS AF+ BS Eco)
- 1- MSPM/SCM
- 1- MPhil/ MS/ PhD

Summary:

5 Program Managers

3 Student Advisors

5Teaching Assistants

2 Research Assistants

2 Coordinators(Eve/ Weekend)

Programs Strength :1249 students

- Under Graduate(BS A&F + BS Eco)= 386
- MSPM/SCM= 605 Students
- MPhil/ MS= 214 Students
- PhD= 70 Students

4

Participating Faculty for Department of Management Sciences

S. No	NAME	DESIGNATION
1	DR MUHAMMAD ARIF KHATTAK	Professor
2	DR BAKHTIAR ALI	Professor
3	DR. RIAZ AHMAD	Associate Professor
4	SAHER ZEAST	Associate Professor
5	Dr. ABDUL SATTAR	Associate Professor
6	FARID ZAFAR	Associate Professor
7	DR SAMREEN FAHIM BABER	Assistant Professor
8	DR ANEES	Assistant Professor
9	DR SABEEN BHATTI	Assistant Professor
10	SHAHZAD BUTT	Assistant Professor
11	TANVEER TAJ	Assistant Professor
12	NIDA AMAN	Lecturer
13	TABASSUM IQBAL	Lecturer
14	ALINA KIRAN	Lecturer
15	GUL-E-NAYAB	Lecturer
	No. of lecturers	4
	No. of Assistant Professors	5
	No. of Associate Professors	4
	No. of Professors	2
	No. o Adjunct Faculty	0
	Total Faculty	15

Participating Faculty for Department of Management Sciences

Cont...

Sr. No.	NAME	DESIGNATION
1	DR ISMAEEL RAMAY	Professor
2	DR H. MUSHTAQ AHMAD	Professor
3	DR TAQADDUS BASHIR	Associate Professor
5	IMTIAZ AHMAD MOHAR	Associate Professor
6	SALMA ATIF SHAIKH	Associate Professor
7	DR. ALI IMTIAZ	Associate Professor
8	MUSARRAT KHAN	Associate Professor
9	DR HAMMAD	Assistant Professor
10	DR SHAZIA REHMAN	Assistant Professor
11	DR. KHALIL ULLAH MUHAMMAD	Assistant Professor
12	DR. MUHAMMAD SARWAR ZAHID	Assistant Professor
13	DR ASIF KHURSHEED	Assistant Professor
14	Dr SAJID ALI	Assistant Professor
15	Dr. FARRUKH JALIL	Assistant Professor
16	DR QAZI ABDUL SUBHAN	Assistant Professor
17	DR SYED HAIDER ALI SHAH	Assistant Professor
18	ABDULLAH HAFEEZ	Assistant Professor
19	EHSAN SAEED	Assistant Professor
20	AFTAB HAIDER	Assistant Professor

Participating Faculty for Department of Management Sciences

Cont...

21	AMMARA MUJTABA	Assistant Professor
22	AMNA YAMEEN	Assistant Professor
23	FAZEELAT NAWAZ	Assistant Professor
24	FIRDOUS AHMED	Assistant Professor
25	HINA SAMDANI	Assistant Professor
26	HUSAIN AKHTAR BABER MIRZA	Assistant Professor
27	IZZA SHAHZAD	Assistant Professor
28	KHALID HUSSAIN	Assistant Professor
29	MALIK HUSNAIN ARSHAD	Assistant Professor
30	MIAN MUHAMMAD OSMAN BIN SAIF	Assistant Professor
31	MUHAMMAD AKRAM	Assistant Professor
32	NASIR MAHMOOD	Assistant Professor
33	QAZI MOHAMMED AHMED	Assistant Professor
34	RABIA SHAREEF	Assistant Professor
35	SARINA ZAINAB SHIRAZI	Assistant Professor
36	SHAHID NAWAZ	Assistant Professor
37	TALAT REHMAN	Assistant Professor
38	ZAHID MAJEED	Assistant Professor
39	AMNA FAHIM	Lecturer
40	HIRA IDREES	Lecturer

7

Participating Faculty for Department of Management Sciences

Cont...

41	DANISH AHMAD KHAN	Lecturer
42	MALIHA BAIG	Lecturer
43	NIDA KAMAL	Lectuer
44	QURAT-UL-AIN WAQAR	Lecturer
45	RAJA KHALID HAFEEZ	Lecturer
46	SALMAN ALI KHAN	Lecturer
47	SAMAN JAVED	Lecturer
48	SUMMAIRA HAROON	Lecturer
49	SYED AHMED HASHMI	Lecturer
50	USMAN AFZAL	Lecturer
51	TANVEER ILAHI	Lecturer
No. of lecturers		13
No. of Assistant Professors		30
No. of Associate Professors		6
No. of Adjunct Faculty(DR)		0
No. of Professors		2
Total Faculty		51
Total Phd Faculty		13

8

COMMITTEE REPORT

RESOLUTION OF AMBIGUITY IN SESSION AS PRINTED ON DEGREE
&
STANDARDIZATION OF PROGRAMME TITLE ON DEGREES & TRANSCRIPTS

Background

1. Time period of academic programs being shown on BU degrees comprises of the calendar years for which the respective student takes admission. As highlighted by BUHO Exams Dte, adopted format is causing ambiguity due to the following:

- a. A student completing 2 or 4 years' degree program commencing in a Spring semester completes it in corresponding Fall semester. Time shown on degree for such cases is 2016-17 or 2014-17, which appears to be 1 or 3 years' program instead of actual 2 or 4 years. Sample Degrees and corresponding Transcripts of such cases are at Enclosure-1-2 & 3-4 respectively.
- b. Some students do not complete the degree program within the standard period due to varying factors, but program completion time endorsed on their degrees remains as the standard minimum timeframe for their respective Batch. Sample Degree & Transcript of such a case are at Enclosure 5 & 6 respectively.

2. Dir Exams presented this ambiguity in 32nd ACM (Item 3236), and recommended adoption of an option among the following:

- a. **Option-1.** Timeframe of award of degree may be shown in terms of Year of Completion, and not the specific program starting and completion years.
- b. **Option-2.** Semester (Spring/ Fall) be mentioned with the year of session e.g. for Session 2012-2015, timeframe mentioned may be 'Spring 2012 - Fall 2015'.

3. After detailed deliberation on both options, the Academic Council approved constitution of the following Committee to resolve the presented agenda item and submit its recommendations for the approval of the Competent Authority:

- a. DG, Islamabad Campus.
- b. All Deans (Dean ES, Dean MS, Dean HS, Dean IPP).
- c. Director Exams (BUHO).
- d. Assistant Registrar, Degree (BUHO).

4. Further to the above, out of 66 x programs being offered by BU, different titles/ formats are in use on some BU Degrees and Transcripts, as summarized below:

- a. For 11 x programs (listed at Annex A), major discipline is being shown on respective Degrees within brackets as well as outside with prefix 'in'. Sample copies of such degrees are placed at Enclosure 7 to 9.
- b. For 49 x programs (listed at Annex B), titles on respective Transcripts are endorsed in capitals whereas these titles are printed in non-capitals on respective degrees. Sample copies of such transcripts are placed at Enclosure 10 & 11.

c. In one case, Thesis title has been included in respective Degree title, a copy of which is placed at Enclosure 12.

d. In 5 programs (listed at Annex C), major discipline is being mentioned on respective Transcripts but not on Degrees. Sample copies of the same are placed at Enclosure 13-14, 15-16, 17-18 & 19-20 respectively.

5. In order to adopt standardization of titles on all BU degrees and transcripts as per HEC requirements, Dir Exams presented the above stated variations in 32nd ACM (Item 3239), along with the following recommendations:

a. Format of title on degrees may be standardized in a manner that only the program title appears on respective degree. Where the field of study needs to be mentioned, the same may have annotation 'in' between the qualification (Bachelor/ Master) and the field of study, without brackets, except for Bachelor of Electrical Engineering (BEE) programs.

b. For BEE programs, core field of study (Electronics/ Telecom) may be mentioned within brackets.

c. Transcripts may contain the program title only as the main heading, similar to the one given on respective degree; all in titles format (no 'all capitals'/ upper case). Field of study/ major, where essential, may be mentioned in a separate line under the main heading (Program Title).

d. Printing of any new degrees may be pursued after exhaustion of held/ already printed blank degrees, while retaining the adequate number of copies for future/ duplicate cases.

e. For a new/ revised program, DAA may verify the exact program title to be printed on Degree and Transcript from sponsoring HoD, as part of the complete proposal, for approval by BU Academic Council.

6. After detailed discussion on the above stated, the Academic Council approved constitution of the following Committee to submit recommendations for approval of the Competent Authority:

- a. DG, Islamabad Campus.
- b. All Deans (Dean ES, Dean MS, Dean HS, Dean IPP).
- c. Director Exams (BUHO).
- d. Assistant Registrar, Degree (BUHO).

7. The Committee was subsequently constituted for both the activities vide Registrar Notification at Enclosure 21.

Proceedings

8. Proceedings of the Committee were commenced with an in-house meeting at BUHO, attended by DG BUIC, DE, DDE-I and Asstt Reg (Degrees) on 10 Dec 2018. In that, DG BUIC was briefed about the processing undertaken by the Exams Dte for the recommendations presented in 32nd ACM, which comprised of the feedback from all Deans of BU as under:

- a. Feedback on ambiguity in session as printed on degrees – Enclosure 22 to 26.
- b. Feedback on standardization of program titles on degrees and transcripts – Enclosure 27 to 31.

9. Upon instructions by DG BUIC, a draft degree text was also formulated for discussion in the meeting of full Committee.

10. Full Committee meeting was subsequently held on 3 Jan 19 at BUHO, with BUKC and BUMDC participation through video link. Following attended the same:

- a. R/ Adm Nasir Mahmood HI(M) (retd) – DG BUIC (in Chair).
- b. Dr Farooq e Azam Cheema – Dean MS (at BUKC).
- c. Dr Zainab F. Zadeh – Dean IPP (at BUKC).
- d. Cdre Asim Raza SI(M) (retd) – Dir Exams/ Secy.
- e. Dr Awais Majeed – HoD (SE)/ rep of Dean ES.
- f. Dr Ambreen Usmani – Vice Principal MBBS/ rep of Dean HS (at BUMDC).
- g. Lt Cdr Iftikhar Ahmed (retd) – Asstt Registrar (Degrees).
- h. In Attendance (Non-Members)
 - i. Capt Munawar Ahmed PN (retd) – Dy Registrar.
 - ii. Cdr Tahir Bukhari (retd) – DDE-I.
 - iii. Dr Kulsoom Fatima Rizvi – Vice Principal BDS (at BUMDC).
 - iv. Dr Khalid Aziz – Vice Principal DPT (at BUMDC).
 - v. Dr Nasim Karim – CP PGP (at BUMDC).

11. The Committee discussed threadbare the proposals presented in 32nd ACM for both items: Ambiguity in Session as Printed on Degrees, and Standardization of Program Titles on Degrees and Transcripts. Alternate formats for the text on degrees were also deliberated, as displayed at Enclosure 32 to 34, so as to simplify the existing statement on degrees (including mentioning of the student's name only, and not of his parent). It was, however, agreed that minimum changes should be incurred in existing formats, to retain originality of BU degrees statements. It was further agreed that nomenclature of program titles already approved/ submitted to the PEC or any other accrediting body should not be amended, and printed so on related degree/transcript.

12. Another important aspect highlighted by Dean MS (covered in para 1. b. above) was that current practice showed the basic time period of related program on the degree, even if the student had completed it in longer timeframe. Replacing this with the actual date of completion of the program by the student will resolve this ambiguity, for the students completing a program in longer timeframe.

13. Upon a query by Dy Registrar, it was confirmed that the date of completion of the academic program is finalized upon issuing of final transcript, which is prepared after receiving complete results of a student including Thesis/ Internship and/ or CSP results, which have been reviewed and uploaded in Exams Dte database.

14. While the MBBS/ BDS degree format was not discussed in the 32nd ACM, the Committee noted that the program completion format being considered for non-medical degrees/ transcripts may be adopted for MBBS/ BDS degrees too.

15. Asstt Registrar highlighted that at present approximately 9,145 blank degrees amounting to approximately Rs. 9.1 Million are held with the Registrar Office, and proposed that printing of

amended degrees (with standardized titles) may be undertaken after exhaustion of held stock; while retaining the adequate number of copies for future/ duplicate cases. The Committee agreed to this proposal.

Conclusions

16. Based on the detailed discussion on all aspects of required amendments, the Committee concluded the following:

a. **Ambiguity in Session as Printed on Degrees**

- i. The Committee agreed that time period of academic program presently being shown on degrees (calendar period of relevant program) is causing ambiguity in calculating the actual program duration, as explained in para 1. a. above. Therefore, the date of actual completion of related program by the student should be mentioned on the degree.
- ii. For incorporation of above stated amendment, the statement 'during the Session' in 3rd line of BU degrees may be replaced with 'on' in newly printed degrees. With respect to the use of held stock of degrees for the amended date format, the wording 'during the Session' printed on degrees may be struck and the year prefixed with the word 'on' printed thereon.

b. **Standardization of Program Title on Degrees and Transcripts**

- i. It was agreed by the Committee that existing format/ text of BU degrees (Enclosure 35) need not to be rephrased, and only the Titles listed at Annex A, and C may be amended as per Deans' recommendations at para 5. a. & b. above.
- ii. The Committee also agreed that the degrees' titles listed at Annex D do not need any review due already being standardized, while the titles listed at Annex E need to be amended as indicated against each.
- iii. The Committee conceded that, as majority of the prepared degrees do not endorse thesis title, therefore it is befitting that such a practice shall be revoked.
- iv. The Committee also agreed that transcripts titles should be similar to the corresponding degrees titles, while the field of study/ major discipline may be included (where essential) as a separate line under the main title. Furthermore, format of the titles both on degrees and transcripts would not be 'all capitals'/ uppercase, but 'Capitalize Each Word'. For the ongoing programs, titles to be amended accordingly have been included in Annex F.
- v. The Committee concluded that existing stock of degrees is to be used till exhausted and amended format degrees are to be adopted gradually, while ensuring that the same format is used for an entire batch.
- vi. The Committee also agreed that, in order to retain standardization of titles on degrees and transcripts of new academic programs, DAA should verify from the sponsoring HoD that exact program title to be printed on the degree/ transcript being approved is part of the complete proposal, for approval by BU Academic Council.

c. **Review of MBBS/ BDS Degrees Format.** The Committee agreed that the program completion timeframe on MBBS/ BDS degrees may also be endorsed in terms of the actual completion date, instead of the calendar period, as concluded for non-medical degrees.

Recommendations

17. Based on the Committee's conclusions, the following is recommended:
- a. Timeframe for award of BU degree (including MBBS/ BDS degrees) should be printed in terms of the date of actual completion of respective program by the student, as endorsed on respective Final Transcript, and not the specific program starting and completion years.
 - b. While using existing stock of degrees, the wording 'during the Session' printed thereon may be struck and the year prefixed with the word 'on', as shown at Enclosure 36.
 - c. Title of thesis should not be mentioned on the degrees.
 - d. All BU degrees/ transcripts titles should have the first letter of each word in capitals, followed by small letters; with the exception of annotation 'in', which should be written without capital letters.
 - e. BU transcripts should contain the program title only as the main heading; similar to the one printed on respective degree. Field of study/ major discipline, where essential, is to be mentioned in a separate line under the main heading (Program Title).
 - f. BU degrees and transcripts titles listed at Annex E and F respectively may be amended as shown against each, for standardization of titles in accordance with HEC guidelines.
 - g. BU degrees and transcripts title for newly launched programs listed at Annex G (for which respective degrees are yet to be printed) may be ratified by BU Academic Council.
 - h. Printing of any new degrees is to be pursued after exhaustion of held stock/ already printed blank degrees, while retaining the adequate number of copies for future/ duplicate cases.
 - j. Adoption of new/ amended format of degrees is to be undertaken for entire batches of students; thus avoiding different degree formats within a batch.
 - k. For a new/ revised academic programs, DAA shall verify from sponsoring HOD that exact program title to be printed on corresponding degree and transcript is part of the complete proposal, for approval by BU Academic Council.

S/d xxxxxxxxxxxxxxxx
Assistant Registrar (Degrees)
Member

S/d xxxxxxxxxxxxxxxx
Director Examinations
Member

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S/d xxxxxxxxxxxxxxxx

Dean Professional Psychology
Member

S/d xxxxxxxxxxxxxxxx

Dean Health Sciences
Member

S/d xxxxxxxxxxxxxxxx

Dean Engineering Sciences
Member

S/d xxxxxxxxxxxxxxxx

Dean Management & Social Sciences
Member

S/d xxxxxx

DG BUIC
President

Annex A**EXISTING DEGREE/ TRANSCRIPT TITLES - MAJOR DISCIPLINE IN BRACKETS AND OUTSIDE WITH 'IN'**

S. #	Title on Degree	Title on Transcript
1	Bachelor of Social Sciences in (International Relations)	BACHELOR OF SOCIAL SCIENCES
2	Bachelor of Electrical Engineering (Telecommunication)	BACHELOR OF ELECTRICAL ENGINEERING (TELECOM)
3	Master of Science in Software Engineering	MASTER OF SCIENCE (SOFTWARE ENGINEERING)
4	Master of Science in Telecommunications & Networking	MASTER OF SCIENCE (TELECOMMUNICATION & NETWORKING)
5	Master of Philosophy in Management Sciences	MASTERS OF PHILOSOPHY (Management Sciences)
6	Master of Philosophy in Socio-Cultural Anthropology	MASTERS OF PHILOSOPHY (Socio-cultural Anthropology)
7	Master of Science in Project Management	Master of Science (Project Management)
8	Doctor of Philosophy in Professional Psychology	PhD (PROFESSIONAL PSYCHOLOGY)
9	Doctor of Philosophy in Computer Science	PhD (COMPUTER SCIENCES)
10	Doctor of Philosophy in Electrical Engineering	PhD (ELECTRICAL ENGINEERING)
11	Doctor of Philosophy in Management Sciences	PhD MANAGEMENT SCIENCES

Annex B**EXISTING TRANSCRIPTS TITLES IN CAPITALS**

S. #	Title on Transcript
1	BACHELOR OF SCIENCE (HONS) GEOLOGY
2	BACHELOR OF SCIENCE (HONS) GEOPHYSICS
3	BACHELOR OF SCIENCES IN PSYCHOLOGY
4	BACHELOR OF BUSINESS ADMINISTRATION (HONS)
5	BACHELOR OF COMPUTER SCIENCES
6	BACHELOR OF COMPUTER ENGINEERING
7	BACHELOR OF SOFTWARE ENGINEERING
8	BACHELOR OF SCIENCE (HONS) ECONOMICS
9	BACHELOR OF DENTAL SURGERY
10	BACHELOR OF BUSINESS ADMINISTRATION
11	BACHELOR OF SCIENCE (COMPUTER SCIENCE)
12	BACHELOR OF SCIENCE (ENVIRONMENTAL SCIENCES)
13	BACHELOR OF ELECTRICAL ENGINEERING (ELECTRONICS)
14	BACHELOR OF LAWS
15	BACHELOR OF SCIENCE (Supply Chain Management)
16	BACHELOR OF EDUCATION
17	BSC (HONS) NAVAL SCIENCES
18	BACHELOR OF ELECTRICAL ENGINEERING (TELECOM)
19	BACHELOR OF SCIENCE IN GEOLOGY
20	BACHELOR OF SCIENCE IN GEOPHYSICS
21	BACHELOR OF MEDICINE AND BACHELOR OF SURGERY
22	BACHELOR OF SCIENCE (ELECTRONICS AND TELECOM MANAGEMENT)
23	BSc (HONS) WAR STUDIES
24	BACHELOR OF SOCIAL SCIENCES
25	BACHELOR OF SCIENCE (NURSING)
26	POST MAGISTERIAL DIPLOMA IN PROFESSIONAL PSYCHOLOGY (CLINICAL GROUP)
27	POST MAGISTERIAL DIPLOMA IN PROFESSIONAL PSYCHOLOGY (EDUCATIONAL GROUP)
28	POST MAGISTERIAL DIPLOMA IN PROFESSIONAL PSYCHOLOGY (ORGANIZATIONAL GROUP)
29	MASTER OF BUSINESS ADMINISTRATION
30	MASTER OF COMPUTER SCIENCES
31	MASTERS OF PHILOSOPHY IN PROFESSIONAL PSYCHOLOGY
32	MASTER OF SCIENCE IN CLINICAL PSYCHOLOGY
33	MASTER OF SCIENCE (Environmental Policy & Management)
34	MASTER OF SCIENCE (ENVIRONMENTAL SCIENCES)
35	MASTER OF SCIENCE (GEOPHYSICS)

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36	MASTER OF SCIENCE IN PROFESSIONAL PSYCHOLOGY
37	MASTER OF SCIENCE (SOFTWARE ENGINEERING)
38	MASTER OF SCIENCE IN GEOLOGY (MSc)
39	MASTER OF SCIENCE (GEOPHYSICS) (MSc)
40	MASTER OF SCIENCE (TELECOMMUNICATION & NETWORKING)
41	MASTERS OF PHILOSOPHY (Management Sciences)
42	MASTER OF SCIENCE IN GEOLOGY
43	MASTERS OF PHILOSOPHY (Socio-cultural Anthropology)
44	MASTER OF SCIENCE (COMPUTER SCIENCE)
45	M.Sc WAR STUDIES (MARITIME)
46	PhD (PROFESSIONAL PSYCHOLOGY)
47	PhD (COMPUTER SCIENCES)
48	PhD (ELECTRICAL ENGINEERING)
49	PhD MANAGEMENT SCIENCES

Annex C

EXISTING MAJOR DISCIPLINE IN TRANSCRIPT TITLES BUT NOT ON DEGREES

S. #	Title on Degree	Title on Transcript
1	Bachelor of Business Administration	Bachelor of Business Administration (Major)
2	Post Magistral Diploma in Professional Psychology	Post Magistral Diploma in Professional Psychology (Major)
3	Post Graduate Diploma	Post Graduate Diploma (Maritime Management)
4	Post Graduate Diploma	Post Graduate Diploma (Logistics & Port Management)
5	Master of Business Administration	Master of Business Administration (Major)

Annex-D**DEGREE TITLES NOT TO BE AMENDED**

S. #	Title on Degree
1	Bachelor of Business Administration
2	Bachelor of Electrical Engineering (Electronics)
3	Bachelor of Electrical Engineering (Telecommunication)
4	Bachelor of Computer Engineering
5	Bachelor of Software Engineering
6	Bachelor of Laws
7	Bachelor of Medicine & Bachelor of Surgery
8	Bachelor of Dental Surgery
9	Bachelor of Science in Nursing
10	Bachelor of Science in Psychology
11	Post Magistral Diploma in Professional Psychology
12	Master of Business Administration
13	Master of Philosophy in Management Sciences
14	Master of Science in Project Management
15	Master of Science in Supply Chain Management
16	Master of Science in Finance
17	Master of Science in Electrical Engineering
18	Master of Science in Telecommunications & Networking
19	Master of Science in Software Engineering
20	Master of Science in Clinical Psychology
21	Master of Science in Professional Psychology
22	Master of Philosophy in Professional Psychology
23	Doctor of Philosophy in Management Sciences
24	Doctor of Philosophy in Electrical Engineering
25	Doctor of Philosophy in Computer Science
26	Doctor of Philosophy in Professional Psychology

Annex-E**DEGREE TITLES TO BE AMENDED**

S. #	Existing Title on Degree	Proposed Title on Degree
1	Bachelor of Science (Supply Chain Management)	Bachelor of Science in Supply Chain Management
2	Bachelor of Science (Electronics & Telecom Management)	Bachelor of Science in Electronics & Telecom Management
3	Bachelor of Science (Computer Science)	Bachelor of Science in Computer Science
4	Bachelor of Science (Geology)	Bachelor of Science in Geology
5	Bachelor of Science (Geophysics)	Bachelor of Science in Geophysics
6	Bachelor of Science (Environmental Sciences)	Bachelor of Science in Environmental Sciences
7	Bachelor of Social Sciences in (Media Studies/ Development Studies/ Media Studies & Journalism/ International Relations)	Bachelor of Social Sciences
8	Post Graduate Diploma	Post Graduate Diploma in Logistics & Port Management
9	Post Graduate Diploma	Post Graduate Diploma in Maritime Management
10	Master of Science (Computer Science)	Master of Science in Computer Science
11	Master of Science (Geology)	Master of Science in Geology
12	Master of Science (Geophysics)	Master of Science in Geophysics
13	Master of Science (Environmental Policy & Management)	Master of Science in Environmental Policy & Management
14	Master of Science (Environmental Sciences)	Master of Science in Environmental Sciences
15	Master of Philosophy in Socio-Cultural Anthropology (Thesis Title)	Master of Philosophy in Socio-Cultural Anthropology

Annex F

TRANSCRIPT TITLES TO BE AMENDED			
S. #	Existing Title on Transcript	Recommended Title on Transcript	Field of Study
1	BACHELOR OF BUSINESS ADMINISTRATION		Accounting/ Entrepreneurship/ Finance/ Human Resource Management/ Information Technology/ Marketing/ Supply Chain Management
2	Post Graduate Diploma (Logistics & Port Management)	Post Graduate Diploma in Logistics & Port Management	
3	Post Graduate Diploma (Maritime Management)	Post Graduate Diploma in Maritime Management	
4	MASTER OF BUSINESS ADMINISTRATION	Master of Business Administration	Entrepreneurship/ Finance/ HRM/ Information Technology/ Management Information System/ Marketing/ Operations Management/ Supply Chain Management/ Logistic & Maritime Management/ Health Management
5	EMBA	Executive Master of Business Administration	Logistics & Port Management
6	Master of Science (Supply Chain Management)	Master of Science in Supply Chain Management	
7	Master of Science (Project Management)	Master of Science in Project Management	
8	MASTERS OF PHILOSOPHY (Management Sciences)	Master of Philosophy in Management Sciences	
9	PhD MANAGEMENT SCIENCES	Doctor of Philosophy in Management Sciences	
10	BACHELOR OF SCIENCE (ACCOUNTS & FINANCE)	Bachelor of Science in Accounting & Finance	
11	BACHELOR OF SCIENCE (Supply Chain Management)	Bachelor of Science in Supply Chain Management	
12	BACHELOR OF COMPUTER ENGINEERING	Bachelor of Computer Engineering	
13	BACHELOR OF SCIENCE (COMPUTER SCIENCE)	Bachelor of Science in Computer Sciences	

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14	BACHELOR OF ELECTRICAL ENGINEERING (ELECTRONICS)	Bachelor of Electrical Engineering (Electronics)	
15	BACHELOR OF ELECTRICAL ENGINEERING (TELECOM)	Bachelor of Electrical Engineering (Telecommunication)	
16	BACHELOR OF SCIENCE (ELECTRONICS AND TELECOM MANAGEMENT)	Bachelor of Science in Electronics & Telecom Management	
17	BACHELOR OF SCIENCE (ENVIRONMENTAL SCIENCES)	Bachelor of Science in Environmental Sciences	
18	BACHELOR OF SCIENCE (INFORMATION TECHNOLOGY)	Bachelor of Science in Information Technology	
19	BACHELOR OF SOFTWARE ENGINEERING	Bachelor of Software Engineering	
20	MASTER OF SCIENCE (COMPUTER SCIENCE)	Master of Science in Computer Science	Artificial Intelligence/ Computer Networks/ Human Computer Interaction/ Information Management
21	MASTER OF SCIENCE (ENVIRONMENTAL SCIENCES)	Master of Science in Environmental Sciences	
22	MASTER OF SCIENCE (SOFTWARE ENGINEERING)	Master of Science in Software Engineering	
23	MASTER OF SCIENCE (TELECOMMUNICATION & NETWORKING)	Master of Science in Telecommunications & Networking	
24	PhD (COMPUTER ENGINEERING)	Doctor of Philosophy in Computer Engineering	
25	PhD (COMPUTER SCIENCES)	Doctor of Philosophy in Computer Science	
26	PhD (ELECTRICAL ENGINEERING)	Doctor of Philosophy in Electrical Engineering	
27	PhD (ENVIRONMENTAL SCIENCES)	Doctor of Philosophy in Environmental Sciences	
28	PhD (SOFTWARE ENGINEERING)	Doctor of Philosophy in Software Engineering	
29	BACHELOR OF LAWS	Bachelor of Laws	
30	MASTER OF LAWS	Master of Laws	
31	BACHELOR OF DENTAL SURGERY	Bachelor of Dental Surgery	
32	BACHELOR OF MEDICINE AND BACHELOR OF SURGERY	Bachelor of Medicine & Bachelor of Surgery	

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33	BACHELOR OF SCIENCE (NURSING)	Bachelor of Science in Nursing	
34	BACHELOR OF SCIENCE (MEDIA STUDIES)	Bachelor of Science in Media Studies	
35	BACHELOR OF SCIENCE IN GEOLOGY	Bachelor of Science in Geology	
36	BACHELOR OF SCIENCE IN GEOPHYSICS	Bachelor of Science in Geophysics	
37	BACHELOR OF SCIENCES IN PSYCHOLOGY	Bachelor of Science in Psychology	
38	BACHELOR OF SOCIAL SCIENCES	Bachelor of Social Sciences	Development Studies/ International Relations/ Media Studies and Journalism
39	MASTER OF SCIENCE (GEOPHYSICS)	Master of Science in Geophysics	
40	MASTER OF SCIENCE (Environmental Policy & Management)	Master of Science in Environmental Policy & Management	
41	MASTER OF SCIENCE (INTERNATIONAL RELATIONS)	Master of Science in International Relations	
42	MASTER OF SCIENCE (MEDIA STUDIES)	Master of Science in Media Studies	
43	MASTER OF SCIENCE IN CLINICAL PSYCHOLOGY	Master of Science in Clinical Psychology	
44	MASTER OF SCIENCE IN GEOLOGY	Master of Science in Geology	
45	MASTERS OF PHILOSOPHY (Socio-cultural Anthropology)	Master of Philosophy in Socio-Cultural Anthropology	
46	MASTERS OF PHILOSOPHY IN PROFESSIONAL PSYCHOLOGY(Clinical Psychology, Educational Psychology, Organizational Psychology)	Master of Philosophy in Professional Psychology	
47	Phd (Geology)	Doctor of Philosophy in Geology	
48	Phd (Geophysics)	Doctor of Philosophy in Geophysics	
49	PhD (PROFESSIONAL PSYCHOLOGY)(Clinical Group, Educational Group, Organizational Group)	Doctor of Philosophy in Professional Psychology	

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50	POST MAGISTERIAL DIPLOMA IN PROFESSIONAL PSYCHOLOGY (CLINICAL/ EDUCATIONAL/ ORGANIZATIONAL GROUP)	Post Magistral Diploma in Professional Psychology	
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NEWLY OFFERED DEGREE PROGRAMS FOR ACM RATIFICATION

S. #	Degree Title
1	Bachelor of Science in Economics
2	Bachelor of Science in Accounting & Finance
3	Bachelor of Electrical Engineering (Power System)
4	Bachelor of Science in Information Technology
5	Bachelor of Science in Media Studies
6	Bachelor of Science in TV Broadcasting
7	Bachelor of Science in English
8	Bachelor of Science in Medical Laboratory Technology
9	Doctor of Physical Therapy
10	Diploma in Chinese Language
11	Master of Science in Economics
12	Master of Science in Management Sciences
13	Master of Science in Marketing & Sales
14	Master of Science in Computer Engineering
15	Master of Science in Engineering Management
16	Master of Science in Information Security
17	Master of Science in International Relations
18	Master of Science in Data Science
19	Master of Science in Mathematics
20	Master of Science in Media Studies
21	Master of Laws
22	Master of Philosophy in Anatomy
23	Master of Philosophy in Pathology (Histopathology)
24	Master of Philosophy in Pathology (Microbiology)
25	Master of Philosophy in Pharmacology
26	Doctor of Philosophy in Economics
27	Doctor of Philosophy in Computer Engineering
28	Doctor of Philosophy in Environmental Sciences
29	Doctor of Philosophy in Geology
30	Doctor of Philosophy in Geophysics
31	Doctor of Philosophy in Software Engineering
32	Doctor of Philosophy in International Relations

Minutes of 33rd ACM

Registration No. 15229

Serial No. 10510 MBA



Bahria University

Whereas..... SHOAIB NADIR Son/ Daughter of NADIR, BASHIR

has pursued the academic programme prescribed by this University for the Degree of Master of Business Administration
and has met all the requirements under the Semester System on 17 April 2017

It is hereby certified that he/ she has been duly admitted to the degree of

Master of Business Administration

in this University

Islamabad, (Pakistan) dated 09-04-2019



THIS DEGREE IS TO BE READ IN CONJUNCTION WITH THE TRANSCRIPT, ISSUED SEPARATELY

Registration No. 34846

Serial No. 11814 03085



Bahria University

Whereas..... AYESHA RAHAT Son/ Daughter of RAHATULLAH

has pursued the academic programme prescribed by this University for the Degree of Bachelor of Medicine & Bachelor of Surgery
and has met all the requirements at FRONTIER MEDICAL COLLEGE, ABBOTTABAD on..... 30 November 2018.....

It is hereby certified that he/ she has been duly admitted to the degree of

Bachelor of Medicine & Bachelor of Surgery

in this University

Islamabad, (Pakistan) dated 04-12-2018



THIS DEGREE IS TO BE READ IN CONJUNCTION WITH THE TRANSCRIPT, ISSUED SEPARATELY

Minutes of 33rd ACM

Registration No. 33408

Serial No. 10666 BBA



Bahria University

Whereas MUHAMMAD UMER JAMEEL Son/Daughter of MUHAMMAD ASIF JAMEEL CH. has pursued the academic programme prescribed by this University for the Degree of Bachelor of Business Administration and has met all the requirements under the Semester System on 27 December 2018.

It is hereby certified that he/she has been duly admitted to the degree of

Bachelor of Business Administration

in this University

Registrar



Islamabad, (Pakistan) dated 09-04-2019

THIS DEGREE IS TO BE READ IN CONJUNCTION WITH THE TRANSCRIPT, ISSUED SEPARATELY

Registration No. 943

Serial No. DPMS 00011



Bahria University

Whereas HUMA AYUB Son/Daughter of PERVEZ AYUB has pursued the academic programme prescribed by this University for the Doctorate of Philosophy and has met all the requirements under the Semester System on 17 April 2017.

It is hereby certified that he/she has been duly admitted to the degree of

Doctor of Philosophy in Management Sciences

in this University

Registrar



Islamabad, (Pakistan) dated 18-10-2018

Minutes of 33rd ACM

Registration No. **28485**

Serial No. **08399 BEEE**



Bahria University

Whereas..... **MISBAH TALIB** Son/ Daughter of..... **TALIB HUSSAIN**
has pursued the academic programme prescribed by this University for the Degree of Bachelor of Electrical Engineering (Electronics)
and has met all the requirements under the Semester System on **30 December 2018**

It is hereby certified that he/ she has been duly admitted to the degree of

Bachelor of Electrical Engineering (Electronics)

in this University

THIS DEGREE IS TO BE READ IN CONJUNCTION WITH THE TRANSCRIPT, ISSUED SEPARATELY



Islamabad, (Pakistan) dated **18-01-2019**

ESTABLISHMENT OF SCHOOL OF MARITIME SCIENCES AT BUKC

Background

1. Maritime studies were initiated at the BUKC on the desire of the NHQ. BUKC, accordingly, undertook serious efforts in designing the maritime studies programs. Visits were made to the national and international universities offering maritime studies and national and international workshops were conducted involving renowned experts to discuss the prospective maritime studies programs at the BUKC, curricula of those programs and the faculty required to run those programs.
2. Consequent upon this earnest groundwork, three programs were decided to be started forthwith:
 - a. BS Maritime Business & Management – that has already been launched since Fall 2018.
 - b. MS in Maritime Trade & Logistics
 - c. MS in Ports and Shipping Management
3. HEC has already issued NOC for both the MS programs which are set to start in Fall 2019.

Way Forward

4. Maritime studies initiative at the BUKC is highly futuristic envisaging meaningful contribution towards the CPEC ventures and promoting the country's blue economy through producing suitably qualified human capital and generating new knowledge for the maritime industry.
5. In this perspective, the envisioned maritime studies blueprint ranges from providing professional maritime education at the BS level to conducting high-tech applied research through running postgraduate programs and establishing the School of Maritime Sciences, Innovation Center and Maritime Science & Technology Park.
6. Given this wide spread of the maritime studies plan, it is proposed to be implemented in evolving phases as below:

Phase 1: Establishment of Department of Maritime Studies

7. Effective Fall 2019, Department of Maritime Sciences is proposed to be established under the Faculty of Management & Social Sciences at BUKC. An independent maritime studies department headed by a maritime professional is a pre-requisite for realizing the long-term maritime studies and research roadmap envisioned by the BU management.
8. Search for the Head of Maritime Sciences Department with maritime education and research background is under way.
9. During Fall 2019, the proposed time of establishment of the department, following programs with tentative student body would be at place:
 - a. BS Maritime Business & Management (reached in 3rd semester): 90 students Approx.
 - b. MS Ports & Shipping Management (1st semester): 15 students Approx.
 - c. MS Maritime Trade & Logistics Management (1st semester): 15 students Approx.

10. At the time of establishment of the Department of Maritime Sciences, following will be its HR and infrastructure requirements:

HR Requirements of the Department		Infrastructure Requirements of the Department	
Head of Department	01	HOD Office	01
Secretariat staff	01	Secretariat staff office	01
Student Advisor	01	Student Advisor office	01
Lab Assistant	01	Maritime lab	01
N/Q	02	Classrooms	03
Faculty	05	(Requirement of classrooms increasing by one each semester)	
Cluster Head (Faculty member with additional charge)	01	Faculty Workstations	05
PGP/Evening Program Coordinator (Faculty member with additional charge)	01		

11. Department of Maritime Sciences will be located within the existing infrastructure. However, with effect from Spring 2020 the Department is proposed to be moved to the Sir Syed Block in the space vacated by the faculty of engineering departments.

Phase 2: Establishment of BU School of Maritime Studies (BU SMS)

12. With effect from Spring 2020 the department of maritime studies is proposed to be elevated to the status of BU School of Maritime Studies when it is shifted to the Sir Syed Block.

13. During the proposed time of Fall 2019, following programs with tentative student body would be at place:

- a. BS Maritime Business & Management having reached the fifth semester with 200 students Approx.
- b. Two MS programs in the evening slot with 120 students Approx.
- c. Multiple diploma and certificate programs for grey collar jobs in the maritime industry in evening and weekend slots launched in Fall 2019 and Spring 2020, with 100 students Approx. Statutory process for launching these diploma and certificate programs shall be completed till Spring/Summer 2019.

14. At the time of establishment of the BU School of Maritime Sciences, following will be its HR and infrastructure requirements:

HR Requirements of the School		Infrastructure Requirements of the School	
Head of School	01	HOD Office	01
Secretariat staff	03	Secretariat staff office	01
Student Advisor	01	Student Advisor office	01
Lab Assistant	02	Maritime lab	02
N/Q	04	Classrooms	05
Faculty	08	(Requirement of classrooms increasing by one each semester)	
Cluster Head (Faculty member with additional charge)	01	Faculty Workstations	08
PGP/Evening Program Coordinator (Faculty member with additional charge)	01		

15. The School of Maritime Sciences will remain located in the Sir Syed Block until Fall 2021 when it will move into dedicated building of the BU School of Maritime Sciences.

Recommendation

16. Establishment of Department of Maritime Sciences effective Fall 2019 may please be approved.

17. HR allocation for the Department of Maritime Sciences as proposed in para 10 of the working paper may please be approved.

18. Establishment of BU School of Maritime Sciences effective Spring 2020 may please be approved.

19. HR allocation for the BU School of Maritime Sciences as proposed in para 14 of the working paper may please be approved.

Working Paper: Understand Quran

Background

LDC in collaboration with Al Falah Manzil Trust has organized two batches (2nd Batch in progress) of Quran Course for Faculty, Staff and Students on the approval and directive of Worthy Rector. The course is spread over 14 weeks and consist of 20 contact hours of training.

The program is scientifically designed and is hinged upon mind mapping and Total Physical Interaction Techniques (TPI). TPI employed in this program allows the trainees to learn 50% of qur'anic words in mere twenty contact hours.

The program was introduced to foster the understanding of religious text which can bring the general populous (Students, Faculty, Staff and wider community) closer to Islamic Teaching and appreciate the wisdom of the holy book. Mr. Arshad Iqbal Malik, Chairman Al Falah Manzil Trust is the resource person for the training and has agreed to provide the training gratis for Bahria University.

Broad Aims of The Course

Encourage daily recitations (in salah and others) with understanding.

Improve concentration in Salah and relationship with Allah.

Demonstrate that the Quran is not a nice thing to have, but the must have guideline to succeed in life.

Clarify the misconception that the Quran is difficult to understand

Course Mission

To develop comprehension of Quran in all students of BU

Course Objectives

To Develop Linguistic and etymological understanding of divine text of holy Quran.

To assist in the comprehension of divine text in its true spirit.

To help model students' life in the light of Quranic Principles.

Outcomes:

Lexical command of 50% of Quranic Words.

Conceptualization of the subtleties of salah.

Overall understanding of Arabic Language.

Course Details

50% of the Quran in just 20 hours

The student study 20 hours in total, divided over 10 sessions [2 hours per week] in which the participants learn 125 words that occur in the Quran 40,000 times (out of a total of approx. 78,000 words). That comes to 50%! Upon the conclusion of the course the attendees are able to understand half of the words on each page of the Quran.

Study Program

The easiest way to understand Arabic is through Salah. The Arabic text is already known therefore course covers following:

Surah Al-Fatiyah & the last six Surahs of the Quran

Different parts of Salah (prayer)

Basic necessary Grammar

Exclusive: unique iman boosting lessons in each part.

Benefits of Quran Course

The Key Formula to prioritize all Quran activities!

Effective, Research-Based Approach; to ensure the effective learning.

'how to' lessons; interact, imagine, feel and how to recite the Quran;

Revolutionary Technique for learning grammar; TPI (Total Physical Interaction);

Learning materials provided in the form of videos, mp3, PDF slides, textbook, workbooks.

Pre-requisite:

For the course, participant should be able to Read Quran.

Duration:

20 Contact Hours of workshops spread over one semester (2 Hours Per Week)

Attendance weightage: 10 Hours

Assessments

Assignments:

5 workbook based Assignment

Weightage: 20%

Sample Assignment appended at annex A'

Quizzes:

4 Quizzes

Weightage: 15%

Sample Quiz appended at annex B'

Midterm Exam:

Duration: 30 Mins

Weightage: 25%

Terminal Exam:

Duration: 30 Mins

Weightage: 40%

Recommendation

Option 1

Quran Course may be introduced as a perpetual part of Islamic Studies and 30% weightage be allocated to Quran Course.

Option 2

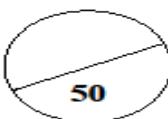
Quran Course may be introduced as an additional one credit hour course in all undergraduate programs.

Option 3

Quran Course may be introduced as an elective non-credit course in all programs.

Recommendation of Deans

Quran Course may be introduced as a perpetual part of Islamic Studies and due weightage be allocated to Quran Course.



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(الواجب المنزلي - گھر کا کام Home Work -

سچ: 17-18



تاریخ: _____

نام: _____

سوال 1۔ درج ذیل میں سے درست جواب کے گردوارہ لکھیں۔

20

D. اور البتہ	C. اور تم نے آسان کیا	B. اور تم نے آسان کیا	A. اور صحیح	1. وَلَقَدْ كَانَ تَرْجِمَةً كَيْفِيَّةً
D. ہم آسان بنا دیں گے	C. ہم نے آسان کیا	B. ہم نے آسان کیا	A. آسانی پیدا کی	2. يَشَوُّرُوا كَاتِرْجِمَهُ كِتابَ كِيْ
D. تم سب ستو	C. تو تے سنا	B. تو سن	A. تم سب تے سنا	3. إِنْسَمَعُوا كَاتِرْجِمَهُ كِيْمَيْزِيْنْ؟
D. اور سمجھا تاہے	C. سمجھے کا اس کو	B. اور سمجھا تاہے	A. اور سمجھا اس سے	4. وَعَلَمَهُ كَاتِرْجِمَهُ بِتَابِيْهِ؟
D. آپ کی نیت	C. میری نیت	B. میری نیت	A. جاری نیت	5. بِالْتَّيْهَاتِ كَاتِرْجِمَهُ بِتَابِيْهِ؟
D. ہم نے اسراہے اس کو	C. ہم نے اسراہے اس کو	B. ہم نے اسراہے اس کو	A. میں نے اسراہے اس کو	6. أَنْزَلْنَاهُ كَاتِرْجِمَهُ كِيْجِيْهِ؟
D. عقل والے	C. عذر والے	B. فکر والے	A. دماغ والے	7. أُولُو الْأَلْهَابِ كَاتِرْجِمَهُ كِيْمَيْسِيْنْ؟
D. مفعولون	C. پیغاعل	B. بیجاعل	A. بیجاعل	8. بِجَاعِلُوْنَ كَاوَاحِدِ كِيْمَيْهِوْكَا؟
D. فاعلون	C. فاعلین	B. فاعلُونَ	A. فَاعِلُونَ كَيْجِيْهِ؟	9. فَعَلُونَ كَيْجِيْهِ؟
D. آپ کوئے والے ہیں	C. ہم کوئے والے ہیں	B. وہ کوئے والے ہیں	A. وہ کوئے والے ہے؟	10. هُوْ قَاطِحٌ كَاسِيَا مَعْنَى هُوْ كَيْ؟
D. تباڑک	C. شباڑک	B. شباڑک	A. تباڑک	11. بِرَكَتِ وَالِيْهِ؟
D. پکارو	C. دعوت دو	B. پچادو	A. پچادو	12. بِلَفْوَرُوا كَاتِرْجِمَهُ كَيْجِيْهِ؟
D. آیاتین	C. آیات	B. آیاتُونَ	A. آیاتُونَ	13. آیَةٌ كَيْ حِجَّ كِيْمَيْهِوْگِيْ؟
D. تم میں سے بہترین ہو	C. تم میں سے بہتر	B. تم میں سے بہترین	A. ہم میں سے بہترین	14. خَيْرُكُمْ كَاتِرْجِمَهُ كِيْمَيْهِ؟
D. تاکہ وہ صحیت پکریں	C. تاکہ وہ سمجھیں	B. تاکہ وہ صحیت پکریں	A. تاکہ وہ صحیت پکریں	15. لَيَدَّتَرُوا كَاتِرْجِمَهُ كَيْجِيْهِ؟
D. غامل	C. عمل	B. پیغاعل	A. غلام	16. عَمَلٌ سَمَاضِيْهِ بِتَابِيْهِ؟
D. جو سنائیں	C. جوستا ہے	B. سنتے والا	A. اس نے سنا	17. مَسْمَعٌ كَامَعِنَّهِ بِتَابِيْهِ؟
D. جس کو مارا گیا	C. مارتے والا	B. وہ مارتا ہے	A. اس نے مارا	18. ضَارِبٌ كَامَعِنَّهِ كِيْمَيْهِ؟
D. لا تسمقون	C. ماضیمُؤْمِن	B. لَا تَسْمَعُونَ	A. لَا تسمقون	19. لَا تَسْمَعُونَ كَاوَاحِدِ كِيْمَيْهِوْكَا؟
D. وہ عمل کرتا ہے	C. عمل کرنا	B. اس نے عمل کیا	A. وہ عمل کرے کا	20. عَمَلٌ كَامَعِنَّهِ كِيْمَيْهِ؟



نام:

(QC1 Sample Quiz - 1-11)

80

تاریخ:

25

سوال 1۔ درج ذیل میں سے درست جواب کے گرد اڑہ کاگیں۔

1.	اکوڈے کے معنی؟	A. آپ پناہ میں آئے	B. ہم سب پناہ میں آئے	C. میں پناہ میں آتا ہوں	D. وہ پناہ میں آتا ہے
2.	اللہ کے معنی تائیں	A. دب ب	B. دب سب	C. دب	D. آپ سب
3.	الرَّحْمَنُ کے معنی تائیں	A. رحم کرنے والا	B. دینے والا	C. بہت محیان	D. شفقت کرنے والا
4.	الْعَالَمُینَ کے معنی؟	A. تمام جہاں	B. جانے والا	C. ایک جہاں	D. ایک جانے والا
5.	اُنہُدَ کا ترجمہ کیا ہے؟	A. میں نے گواہی دی	B. میں گواہی دیتا ہوں	C. میں نے گواہی دی	D. وہ گواہی دیتا ہوں
6.	اُن اور آن کا معنی کیا ہے؟	A. بے شک	B. اگر	C. کون	D. کہ
7.	"عَنْهُ" کی معنی کیا ہے؟	A. عنہم	B. عنکتم	C. عَنَّا	D. تمیں جی ہیں
8.	الصَّالِحِينَ کے معنی؟	A. وہ گمراہ ہوا	B. وہ گمراہ ہوئے	C. جو گمراہ ہوا	D. گمراہ ہونے والا
9.	نیدس کے ترجمہ ہے؟	A. آرام	B. موت	C. کام	D. کون
10.	وقتازلف کا ترجمہ تائیے:	A. مبارکاباد	B. وہ برکت والا ہے	C. وہ برکت والا ہوگا	D. اور برکت والا
11.	جذلک کا ترجمہ کیا ہوگا؟	A. تو زرگ کے	B. تیری بزرگ	C. تیری بزرگ بن کیا	D. تیراکال
12.	إلينا کا واحد کیا ہوگا؟	A. إلَيْهِ	B. إلَيْكَ	C. إلَيْكُو	D. ان میں سے کوئی نہیں
13.	وہرگانہ کا ترجمہ تائیے:	A. اور رکھنیں ہوں	B. درود وسلام ہو	C. اور رکھنیں ہوں اس کی	D. اور اللہ کی رحمت
14.	ذلک کی معنی کیا ہے؟	A. هُمْ	B. أولیٰك	C. الْذِينَ	D. ہُلُوَاءُ
15.	ہُلُوَاءُ کا واحد کیا ہے؟	A. هُوَ	B. هَذَا	C. الْذِي	D. ذلک
16.	الصالحين کا ترجمہ کیا ہوگا؟	A. نیک لوگ	B. نیک آدمی	C. صالحان	D. مُطْقی
17.	اعتنی کا درست ترجمہ تائیے:	A. مجھ سے	B. مدد فرمایہ	C. برکت عطا فرمایہ	D. میری طرف سے
18.	وقتازلف کا ترجمہ تائیے:	A. اور تم نے بجا لیا	B. ہمیں بجا	C. اور ہمیں بجا	D. ہمچ گے
19.	لَمْ يَلِدْ كا ترجمہ کیا ہوگا؟	A. نہ اس نے کسی کو جنم لیا	B. شہزادی کو جنم لیا	C. اس نے پیدا کیا	D. وہ پیدا کرنے والا
20.	ضیغفا کا معنی لیے؟	A. اس نے نہ	B. میں نے نہ	C. آپ نے نہ	D. ان سے نہ
21.	وقتازلی کا درست ترجمہ لیجیے:	A. اوئیجا ہے	B. طاقتور ہے	C. اور بلند و بالا ہے	D. وہ کیبل ہے
22.	فَعَلَمُ کا واحد تائیے:	A. فَعَلَتْ	B. فَعَلَتْ	C. فَعَلَتْ	D. فَعَلَوا
23.	فَعَلَتْ کی معنی باتیے:	A. فَعَلَمُ	B. فَعَلَتْ	C. فَعَلَتْ	D. فَعَلَوا
24.	پُل کی معنی تائیے۔	A. پُلنا	B. پُکُنْ	C. پُلنا	D. پہنم
25.	وَلَمْ يَوْلَدْ کا ترجمہ تائیے:	A. اور نہ اس نے جانا	B. وہ جانا ہے	C. اور نہ وہ جانا گیا	D. بے نیاز

10

سوال 2۔ ذکر کی مونٹ بنا کیس اور پھر اس مونٹ کی جمع لیجیے۔

ذکر	مونٹ	جمع مونٹ	مُسْلِم	مُسْلِمَةٌ	مُسْلِمَاتٌ
					مُؤْمِن
					صَالِحٌ
					كَافِرٌ
					مُشْرِكٌ
					مُنَافِقٌ

Appendage 3303**Inclusion of New Electives in BSS (Anthropology)****a. Anthropology of Media**

Course Name	Anthropology of Media	Prepared on	Spring 2019		
Course Code	ANT 330				
Credit Hours	3				
Course Prerequisite					
Prerequisite Code		Revised on	As per Requirement		
Course Type	Elective course				
Program	BSS (Anthropology)				
Semester					
Course Description					
<p>Media as the largest cultural carrier has made it a subject of Anthropological investigation. This course will introduce students to anthropological analyses of media of broadcasting primarily and others forms as well. Although 'the anthropology of media' is relatively a new subfield, there has been a long-standing interest in media technologies and operations within the discipline. Media studies, rooted in social anthropology, offer an in-depth approach to analyzing the complex connections between media, culture and society. Conceptual and practical knowledge within these areas can be applied in academia, the arts, and culture and media industries.</p> <p>Media as the largest cultural carrier has made it a subject of Anthropological investigation. This course will introduce students to anthropological analyses of media of broadcasting primarily and others forms as well. Although 'the anthropology of media' is relatively a new subfield, there has been a long-standing interest in media technologies and operations within the discipline. Media studies, rooted in social anthropology, offer an in-depth approach to analyzing the complex connections between media, culture and society. ... Conceptual and practical knowledge within these areas can be applied in academia, the arts, and culture and media industries.</p>					
Course Learning Outcomes					
CLO #	Description				
1.	To understand relationship of media with culture				
2.	Enable the students to see how international media is framed				
3.	To gain understanding of influence of media on our lives how the process of upbringing is Media control.				
4.	Impact and response of Pakistani people towards media discourses. Students will be able to explain their thoughts through concepts.				
Teaching & Learning Methodology					
<p>Teaching and learning approaches should foster a sense of understanding and respect, and sensitize students with emotions and feelings of tolerance towards others. Teachers may also engage students in project work, group discussions on images and pictures from the newspapers and magazines that depict moral issues and problems. Experiential learning be encouraged through community service and field work.</p> <p>I will incorporate following methodologies</p>					

Plan, Implement and Evaluate the Information's Class Participation Presentations regarding Media discourses Connect Students to Information's by giving relevant case studies.												
Text Book and References												
Reference Books:												
i) Askew, K. (2002). <i>Introduction to The Anthropology of Media: a Reader</i> , eds. Kelly Askew and Richard R. Wilk. UK: Blackwell. ii) Curran, J., & Gurevitch, M. (Eds.). (2000). <i>Mass media and society</i> . London: Arnold. iii) Levinson, P. (2003). <i>Digital McLuhan: A guide to the information millennium</i> . Routledge. iv) Marshal, M. (2014). <i>Understanding Media</i> . Canada: McGraw Hills. v) Banks, M., & Zeitlyn, D. (2015). <i>Visual methods in social research</i> . Sage.												
Grading Policy												
<table border="1"> <thead> <tr> <th>Assessment Instruments</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>Quizzes</td> <td>15%</td> </tr> <tr> <td>Assignments</td> <td>20%</td> </tr> <tr> <td>Mid Term Exam</td> <td>25%</td> </tr> <tr> <td>Final Exam</td> <td>40%</td> </tr> <tr> <td></td> <td></td> </tr> </tbody> </table>	Assessment Instruments	Percentage	Quizzes	15%	Assignments	20%	Mid Term Exam	25%	Final Exam	40%		
Assessment Instruments	Percentage											
Quizzes	15%											
Assignments	20%											
Mid Term Exam	25%											
Final Exam	40%											
Week-wise Course Outline												
week / Session	Contents	Activities/ Learning Outcome Readings										
1.	Introduction: Significance of Mass Media Communication &Culture Interdependence of cultural and communication The rise of Mass Media Mass Media – Radio + TV + Press Relevance of Mass Media with Anthropology	The Anthropology of Media Ed by, Kelly Askew and Richard R. Wilk Blackwell, UK (2002) McQuails Mass Communication Theory										
2.	Theory of Media and Theory of Society	Theories of Communication(authoritarian, Libertarian, social lists, Social Responsibility)										
3.	Cultural Communication	Socialization of individual Conveyer of traditions International and Inter Cultural Communication ed: Williams B. and Gudykunst Bella Mondy										
4.	Symbolic Interactionism (Herbert Blumer)	Sociological Theory by John Scott.										
5.	Anthropology of Media and Visual Anthropology.	The Anthropology of Media Ed by, Kelly Askew and Richard R. Wilk Blackwell, UK (2002) Class discussion										
6.	Works of Evan Pritchard and Louis	Relationship between content and form										

	Durmont on visual understanding QUIZ 1	Visual Methods in Social Research by Marcus Banks	
7.	Globalization and Media diffusion in culture	Concept and approaches. Median consortia, hegemony and monopoly	
8	Public Sphere cultural imperialism Dependency School	Persistence forms and changing traditions Class discussion and presentations	
9	MID-TERM EXAMS		
10	Marshall McLuhan and Cultural Medium	Reading from The Anthropology of Media Ed by, Kelly Askew and Richard R. Wilk, Blackwell, UK (2002)	
11	Post Modernism + Television	Field exercise as a hands on experience	
12	Political Economy of Media	Mass Media and society, Ed James Curran Understanding Media cultures by Nick Stevenson	
13	Raymond Williams's four models + perspective on material culture	Understanding Media cultures Nick Stevenson	
14	Feminist Perspective on Media. Mass Media in Pakistan assignment 2	Social Change and Feminist Theories Ed: Khan + Zia (1995) AIOU Feminist perspective on Media (Lisbet Van Zoonen) (Mass Media & Society AIOU) Uncensored by Burhanuddin Hassan	
15	Research Methods in Media and content analysis	Media and Communication Research Methods, by Arther Asa Berger	
16	International Media. (Cable, Internet, and newsocracy	Presentations	
17	Revision of whole syllabus	Resolve the student's queries through question, answer session.	
18	FINAL EXAMS		

Note:-

Student's preparations for case studies and participation in discussions can be selectively taken as their assignments for grading or instructor may develop separate mechanism.

Class activities would predominantly include discussions, developing role models by the students, presentations by student groups and case studies.

b. ANTHROPOLOGY OF CRIMES AND CRIMINALITY

Course Name	Anthropology of Crimes and Criminality	Prepared on	Spring 2019
Course Code	ANT 329		
Credit Hours	3		
Course Prerequisite	None		
Prerequisite Code	None		Revised on
Course Type	<input type="checkbox"/> Elective Course		As per Requirement
Program	<input type="checkbox"/> BSS (Anthropology)		
Semester	Fall 2019		
Course Description			
The course addresses the issues of violence and crime in society from a comparative anthropological perspective. Examples of these include global conflicts and state violence, gang violence, human trafficking and organized crime and transitional justice.			
Following is the broader outline for the course:			
Introduction			
Definition			
Nature			
Difference between deviance and crime			
Anthropology and crime: A brief history Image of the criminal			
Factors			
Social & Cultural			
Economic			
Political			
Types of crimes and criminals			
Anthropologies: Translation and translatability of language, culture and experience			
Theories of criminology			
Classical theories			
Biological theories			
Psychological theories			
Functionalist theories			
Learning theories			
Social control theories			
Labelling theories			
Cultures, law and justice			
Race, racism, representation and self-representation			
Mass media, crime and criminalizing			
Inequalities: Culture of poverty, culture of wealth			
Criminal procedure system of Pakistan			
Crime detection			
Conviction and trial			
Punishment			
Prison system			
Controlling crime and role of different agencies			
Course Learning Outcomes			
CLO #	Description		
1.	Knowledge and understanding of anthropological approaches to conflict, violence and human suffering		

2.	Demonstrate broad understanding of what drives conflict on a global basis, especially the diversity of cultural, political and economic factors	
3.	Demonstrate the ability to locate, analyze, evaluate and synthesize information from a wide variety of sources in a planned and timely manner	

Teaching & Learning Methodology

Teaching and learning approaches in crimes and criminality should foster a sense of understanding and respect, and to sensitize students with emotions and feelings of tolerance towards others. Anthropology of crimes and criminality is a subject that aims at enhancing students' knowledge about crime and criminal justice system of Pakistan. Teachers may also engage students in project work, group discussions on images and pictures from the newspapers and magazines that depict moral issues and problems of crimes in Pakistan. Experiential learning be encouraged through community service and field work.

Text Book and References

- i) Franzese, J. R. (2009). *The sociology of deviance: differences, tradition, and stigma*. Princeton.
- ii) Clinard, M. B., & Meier, R. F. (2015). *Sociology of deviant behavior*. Nelson Education.
- iii) Abrahams, R. (1996). *Vigilantism: Order and Disorder on the Frontiers of the State*, edited by O. Harris, (2006). London and New York: Routledge.
- iv) Heidensohn, F. (2007). *Crime and Society*. London: McMillan and Co.

Grading Policy

Assessment Instruments	Percentage
Quizzes	15%
Assignments	20%
Mid Term Exam	25%
Final Exam	40%

Week-wise Course Outline

week / Session	Contents	Activities / Learning Outcome
1	Introduction of the subject Historical background	Lecture
2	Anthropology and crime: A brief history Image of the criminal	Lecture
3	Factors Social & Cultural Economic Political	Lecture
4	White collar criminals	Quiz and lecture
5	Types of crimes and criminals	Lecture
6	Anthropologies: Translation and translatability of language, culture and experience and their relation to criminality	Lecture and quiz
7	Theories of criminology	Lecture
8	Classical theories	Lecture
9	MID-TERM EXAMS	
10	Cultures, law and justice	Lecture
11	Race, racism, representation and self-	Lecture

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	representation	
12	Mass media, crime and criminalizing	Lecture
13	Inequalities: Culture of poverty, culture of wealth	Lecture& Quiz
14	Criminal procedure system of Pakistan	Lecture
15	Crime detection	Lecture& Quiz
16	Conviction and trial Punishment Prison system	Lecture
17	Controlling crime and role of different agencies	Lecture
18	FINAL EXAMS	

Appendage 3304**Bahria University, Islamabad****Department of Humanities & Social Sciences****COURSE OUTLINE**

Course Name	US Foreign Policy	Prepared On	FALL 2018
Course Code	IRS 750		
Credit Hours	3		
Course pre-req	None	Revised On	SPRING 2019
Course Type	Elective		
Program	PhD (IR)		
Semester			
Instructor:	Irfan Qaisrani		
Course Description			
This course introduces the study and practice of American foreign policy. The course is divided into three parts. First part is historical background (1776-1990), second part is post-cold war issues and challenges (1990-2000) and last one is the American foreign policy during 21th century.			
Course Learning Outcomes			
CLO Description			
To familiarize with the basics of American foreign policy through understanding historical perspectives, trends of American foreign policy and the scope of American foreign policy in 21th century. With practical and theoretical background, student will be able to understand contemporary American Foreign Policy and make informed predictions about the future of international politics.			
Teaching & Learning Methodology			
Formal lectures, use of multimedia, interactive session and class participation.			
Textbook(s)			
Reading pack.			
Grading Policy			
	Assessment Instruments	Percentage	
	Quizzes and Assignments	30 %	
	Mid Term Exam	30 %	
	Final Exam	40 %	

Week-wise Course Outline

Week/ Session	Content	Learning/ Objectives Addressed/ Mandatory readings
1	Introduction - course outline.	Foundation of American foreign policy. Isolationism, Moralism and Pragmatism. The American Outlook pp. 169-208
2	Topics: The Goals of American Foreign Policy in Historical Perspective: 1776-1941, 1946-1989, from Berlin wall to 9/11 and beyond	History of US foreign Policy. Wittkopf, Jones and Kegley pp. 29-74
3	Topics: The New World Order and Two Great Traditions: Theodore Roosevelt Or Woodrow Wilson	World orders and 20 th century. H. Kissinger pp. 17-28, pp. 29-55
4	Topic: The Structure of The International System Bipolar and Multipolar System Topic: Pre-theories and Theories of Foreign Policy	Structure of the world. Kenneth N. Waltz pp. 98-105 pp. 91-97 James N. Rosenau pp. 27-92
5	Topic: Post Cold war paradigms. Sub-topic: What Should Be A New World Order? The End of History? And Clash of Civilization?	Post-Cold War Issues and Challenges. Joseph Nye, Francis Fukuyama and Samuel P. Huntington
6	Topic: Why We Will Soon Miss the Cold War? Coming Anarchy?	John Mearsheimer and Robert D. Kaplan
7	Topic: Hegemonic Stability theory Democratic Peace Theory The Defense Planning Guide (DPG) and Project for New American Century (PNAC)	Declassified/Official documents
8	Topic: Bush Administration Sub-topic: Grand Strategy Response to Terrorism	Foreign Policy in 21st Century. John Ikenberry: America's Imperial Ambition.
9	Topic: Continues... Afghanistan war and Iraq war	John Lewis Gaddis: Grand strategy in Second term
10	Topic: Nationalism Sub-topic: Paradoxes of American Nationalism Political Interest Group such as Neo-Cons.	Maxi Pei Max Boot: Neo-Cons
11	Topic: Israel Lobby and US foreign Policy	Role of Lobbies in US foreign Policy decision making process. John Mearsheimer
12	Topic: Obama Administration Sub-topic: Obama Speech	Obama Speech 2009
13	Topic: Continued.	NSS 2010.
14	Topic: Totality of American Foreign Policy. Four traditions; Hamiltonianism,	US foreign policy traditions. Walter Russell Mead: Special Providence

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	Jeffersonianism, Wilsonianism and Jacksonianism.	
15	Topic: Comparison with different Empires In History of International Relations.	America As Empire in 21th century.
16	Review and conclusion of course outline	No reading.
Guidelines		
This course outline is a working outline for our semester. It is your responsibility to read everything stated in this document and meet all the requirements in order to complete the course successfully. If you do not read the whole course outline and meet the requirement entailed therein, you will take the responsibility for any penalty, e. g., fail grade misunderstanding, misinformation, or anything that may impact you grade.		

Appendage 3305**Replacement of Specialization in BSS (Media Studies) and BS (Media Studies) Roadmap with New One**

S.No.	Existing Specialization	Proposed Specialization
1	Communication Theory and Research	Animation
2	Print Media	No Change suggested
3	Electronic Media	No Change suggested
4	Advertising and Public Relations	No Change suggested
5	Media Management	No Change suggested

Electives for Animation

(Select 4 from 9 Courses)

Course Code	Course Title	Credit Hours
MED 449	Character Modeling	3
MED 450	3D Modeling	3
MED 425	3D Lighting/ Texturing/ Rendering	3
MED 461	Mobile Application Graphics	3
MED 426	Character Animation	3
MED 421	Motion Graphic/ Compositing	3
MED 436	Advanced Free Hand Drawing	3
MED 452	Digital Illustrations	3
MSD 453	3D Animation	3
MED 454	3D Character Animation	3
MED 428	2D/3D Effects/ Rendering	3
MED 429	Virtual Reality	3

Appendage 3306

BAHRIA UNIVERSITY, ISLAMABAD
DEPARTMENT OF LAW
FACULTY NAME: DR USMAN HAMEED
COURSE OUTLINE

Course Name	International Law of the Use of Force	Prepared in	Spring 2019	
Course Code	LLM 752			
Credit Hours	3			
Course Prerequisite	Nil			
Prerequisite Code	N/A	Revised on	As per Requirement	
Course Type	Elective			
Program	LLM & PhD			
Semester	Spring 2019			
Course Description				
<p>The law on the use of force is largely event driven and context specific. This is why this course introduces students to the rules on the use of force from an historical and policy perspective with special emphasis on state practice so that students can understand how and why the law on the use of force has evolved in the way it has. The course sets out the general prohibition on the use of force in the UN Charter, and introduces students to key concepts such as self-defence, humanitarian intervention, and aggression. Students will be introduced to debates on pre-emption, the use of force in pursuit of self-determination, and terrorism.</p> <p>Despite the prohibition on the use of force by states in the UN Charter, it is important to note that not all uses of force are prohibited by international law. The UN was established not to change the world but to maintain international peace. The UN Security Council can therefore authorize force when necessary to enforce the peace. Alternatively, states have an inherent right of self-defence when attacked. But what does an armed attack on a state allowing it to respond in self-defence amount to? How much force can a state resort to when it has been the object of attack? Are there any grey areas in the law? What if the UN Security Council fails to authorize the right to use force due to the veto by a permanent member? Can the use of force outside the United Nations ever be lawful?</p> <p>Events in Gaza, Syria, Ukraine, and before then in Libya, Georgia, and Iraq have raised difficult questions for international lawyers. Territorial disputes are one of the major causes of war. Events in the East and South China Seas between China and Japan, China and the Philippines, North and South Korea have come close to armed conflict. Threats continue to be exchanged between Israel and Iran. It is therefore important for students of international law to have a good understanding of the laws that prohibit the use of force in international law, as well as when, in exceptional circumstances, states may have the right to resort to the use of force.</p>				
Course Learning Outcomes				
CLO #	Description			
1.	To make the participants conversant with the scope of the various exceptions to the legal prohibition on the resort to military force			
2.	To enable the participants to critically evaluate justifications for resort to military force and understand arguments for and against the legal validity of such claims			

3.	To make the participants familiar with the approach of the United Nations Charter framework for the international legal regulation of resort to force and understand the relationship between this principal treaty regime and customary international law	
Teaching & Learning Methodology		
Reading material Class discussions Debate on selected topics Critical analysis of given topics Case studies		
Grading Policy		
	Assessment Instruments	Percentage
	Quizzes	10%
	Assignments	20%
	Mid Term Exam	30%
	Final Exam	40%
Week-wise Course Outline		
Week / Session	Contents	Activities / Learning Outcome/Readings
1.	Introduction to <i>Jus ad bellum</i> Sub-topics: Criteria to be consulted before going to war Distinction between <i>Jus in bello</i> & <i>jus ad bellum</i>	Understanding the basic concepts of <i>jus ad bellum</i> and drawing a distinction between <i>jus in bello</i> & <i>jus ad bellum</i> . “The relationship between jus ad bellum and jus in bello” in <i>The Oxford handbook of the use of force in international law</i> by Okimoto Keichiro
2.	International Law and the use of force Sub-topics: Understand the historical evolution of relationship between International Law and War and the different visions of the state, the economy and the international order that are linked to these historical changes.	“Law and Force ” in <i>International Law and the Use of Force</i> by Christine Gray
3.	The Use of force before the United Nations Sub-topics: Historical evolution of the Law of the Use of force: From Just War Doctrine to Treaty of Westphalia	“Law and Order in International Society” in <i>Just and Unjust war: A Moral Argument with Historical Illustrations</i> by Michael Walzer
4	Prohibition on the Use of Force and Self Defense Subtopic: Introduction to Article 2(4)	“The Prohibition of the Threat or Use of Force” and “The Use of Force is Self Defence in <i>The Use of Force and International Law</i> by Christian Henderson

	& Article 51 of the UN Charter	
5	Lawful Use of Force-Right to collective self Defense Subtopics: Collective Security & use of force authorized by the United Nations	"Collective Security Components and Collective Security Tools" in <i>Collective Security: Theory & Practice</i> by Nicholas Tsagourias
6	International Law and the Cold War Sub-topics: Since World War II — Occupation — Collective security — Weapons, Nuclear Threat	"International Law, Source and Nature of Conflict, Evolution of Conflict, Causes of its end and Aftermath & Legacy" in <i>Cold War (1947-91)</i> by Ebrahim Afsah
7	The War in Kosovo: Humanitarian Intervention? Sub-topics: Humanitarian Intervention, Kosovo a New Role of Nato.	"The Prohibition of the Use of Force" in <i>International Law and the Use of Force</i> by Christine Gray. "History, Development and Aftermath and Perceptions in the former Yugoslavia" in <i>Kosovo: Perceptions of War and Its Aftermath</i> by Mary Buckley, Sally Cummings
8	Revision	
9	MID-TERM EXAMS	
10	Regime Change In the name of Humanitarian Intervention Sub- topics: The Non-intervention Norm and Intervention Practice in the 1990s. How Does the Intervention Norm Change? The Realpolitik of Human Rights and Security Needs.	"Conditional Sovereignty" in <i>Values and Weapons From Humanitarian Intervention to Regime Change</i> by Jaane Haaland Matlary
11	The Chilcot Inquiry and the Second Iraq War Sub-topics: Saddam Hussein's threat to Britain • The legal advice for the invasion • Intelligence about weapons of mass destruction and • Planning for a post-conflict Iraq.	"Decision Making Collective Responsibility" in <i>Chilcot Report: Report of the Iraq Inquiry: Executive Summary</i> by John Chilcot
12	The Bush Administration and the War on Terror Sub-topics: The War on Terror: Self-defence or Aggression?	"The Anticipatory self-defence" in <i>Reappraising the Resort to Force: International Law, Jus ad Bellum and the War on Terror</i> Lindsay Moir
13	Armed Conflict in Gaza Strip Sub-topics: Blurred distinction between Civil Unrest & Armed Conflict	The Gaza Conflict in <i>Israel and Hamas: Conflict in Gaza (2008-2009)</i> by Jim Zanoti et all, Congressional Research Services
14	Moot Court: Humanitarian Intervention in Syria Sub-topics: Syria and the Politics of Human Rights Protection Syrian Civil War & Responsibility to	"The Origins of Humanitarian Intervention, The purpose of Intervention and Intervention in International Law" in <i>Intervention and the Use of Force</i> by Scott. A Silverstone, Henriksen, A and Schack, M 'The crisis in Syria and humanitarian intervention' (2014) 1(1) <i>J Use Force & Int'l</i>

	Protect.	L 122–147 at 147.
15	The United Nations and the Suez Crisis Sub-topics: Historical Context of Suez Crisis and its Humanitarian Aspect, Nationalization, The Coalition and UNEF	Esther Moeller (2016) The Suez Crisis of 1956 as a moment of transnational humanitarian engagement, European Review of History: Revue européenne d'histoire <i>1956 Suez Crisis and the United Nations</i> by Jean Marc Pierre
16	The Use of force in UN Peace Operations Sub-topics: Myths, puzzles & paradoxes about the UN use of force. Status of Peace keeping under UN Charter	"Retreat, Resurgence and Reform: Rethinking the use of force by the United Nations" in <i>The Use of Force in UN Peace Operations</i> by Trevor Findley
17	Revision	
18	FINAL EXAMS	

Important Note: This course outline is a working outline for our semester. It is your responsibility to read everything stated in this document and meet all the requirements in order to complete the course successfully. If you do not read the whole course outline and meet the requirement entailed therein, you will take the responsibility for any penalty, e. g., fail grade misunderstanding, misinformation, or anything that may impact your grade.

FACULTY NAME: DR USMAN HAMEED

COURSE OUTLINE

Course Name	International Environmental Law	Prepared in	Spring 2019
Course Code	LLM 753		
Credit Hours	3		
Course Prerequisite	Nil		
Prerequisite Code	N/A	Revised on	As per Requirement
Course Type	Elective		
Program	LLM & PhD		
Semester	Spring 2019		

Course Description

This course examines the role of international law in addressing global environmental problems, in particular climate change and the protection of biological diversity. It addresses not only the relevant legal principles, concepts and obligations relating to such problems but also the scientific, political, economic and social dimensions thereof. It also aims to evaluate the effectiveness of international environmental law in terms of its implementation and enforceability.

Course Learning Outcomes

CLO #	Description
1.	On successful completion of this course, students will be able to: Describe the planetary boundaries concept and the impacts of global environmental change in the current geological epoch.
2.	Explain the sources of international environmental law and the content of international environmental law in the areas of climate change, biodiversity, water, oceans, polar region

	etc.	
3.	Describe how international environmental law is developed and implemented and critique the effectiveness of implementation regimes and institutions.	

Teaching & Learning Methodology

Reading material

Class discussions

Debate on selected topics

Critical analysis of given topics

Case studies

Grading Policy

	Assessment Instruments	Percentage	
Quizzes		10%	
Assignments		20%	
Mid Term Exam		30%	
Final Exam		40%	

Week-wise Course Outline

Week / Session	Contents	Activities / Learning Outcome/Readings
1	<p>Introduction to Environmental Law & Global Environmental Policy</p> <p>Sub-topics: The Scope of International Environmental Law What is —international law , and how can it affects environmental behavior? What is the difference between treaty law and customary international law? Why is the distinction important?</p>	Brown Weiss, McCaffrey, Magraw, Tarlock, International Environmental Law and Policy, 2D Ed (2007). Litfin, Karen T. 1997. Sovereignty in world ecopolitics. Mershon International Studies Review 41 (4):167-204. Keohane, Robert O. 1982. The demand for international regimes. International Organization 36 (2):325-355. Mearsheimer, John. 1995.
2	<p>Rivers and Transboundary Externality Problems</p> <p>Sub-topics: Water Dispute between India & Pakistan Gabcikovo-Nagymaros Dam Reducing pollution of the Rhine River</p>	Briscoe, John, —Troubled Waters: Can a Bridge Be Built over the Indus? December 11, 2010 Economic and Political Weekly. Lydia Polgreen and Sabrina Tavernise, —Water Dispute Increases India-Pakistan Tension, July 21, 2010 New YorkTimes(http://www.nytimes.com/2010/07/21/world/asia/21kashmir.html). Bernauer, Thomas, and Peter Moser. 1996. "Reducing pollution of the Rhine River: the influence of international cooperation." Journal of Environment and Development 5 (4):391-417. International Court of Justice (ICJ) decision on Gabcikovo-Nagymaros Dam, available online at: http://www.icj-cij.org/docket/files/92/7375.pdf . Stephen Deets. 2009. "Constituting Interests and Identities in a Two-Level Game: Understanding the GabcikovoNagymaros Dam Conflict." Foreign Policy Analysis 5 (1):37-56. Conca, Ken. 2006.

3	<p>Climate Change</p> <p>Sub-topics: Treaty Analysis-United Nations Frame Work Convention on Climate Change (UNFCCC), Kyoto Protocol, Copenhagen Accord & Bali Roadmap</p>	<p>The Real Tragedy of Copenhagen, Economic and Political Weekly 45(1): 10-13.</p> <p>Arnab Pratim Dutta, Aditya Ghosh, and Chandra Bhushan, —Cancun clinches deal—for polluters, January 15, 2011 Down to Earth (http://downtoearth.org.in/print/2781) Elisabeth Rosenthal.</p> <p>Third-World Stove Soot Is Target in Climate Fight, April 15, 2009 New York Times (http://www.nytimes.com/2009/04/16/science/earth/16degrees.html).</p> <p>Joseph Kahn and Mark Landler. China Grabs West's Smoke-Spewing Factories. New York Times, December 21, 2007, available at http://www.nytimes.com/2007/12/21/world/asia/21transfer.html</p> <p>Treaty texts: UNFCCC Secretariat. 1992. United Nations Framework Convention on Climate Change.</p> <p>Kyoto Protocol to the UN Framework Convention on Climate Change.</p> <p>Joeri Rogelj et al. 2010. —Analysis of the Copenhagen Accord pledges and its global climatic impacts—a snapshot of dissonant ambitions.</p>
4	<p>Marine Mammals and fisheries</p> <p>Subtopic: Towards sustainability in World Fisheries; Southern Bluefin Tuna Case</p>	<p>Pauly, Daniel, Villy Christensen, Sylvie Guenette, Tony J. Pitcher, U. Rashid Sumaila, Carl J. Walters, R. Watson, and Dirk Zeller. 2002. Towards sustainability in world fisheries. Nature 418 (6898):689- 695.</p> <p>Havice, Elizabeth, and Liam Campling. 2010. "Shifting Tides in the Western and Central Pacific Ocean Tuna Fishery: The Political Economy of Regulation and Industry Responses." Global Environmental Politics 10 (1):89-114.</p>
5	<p>Biodiversity</p> <p>Subtopics: Sovereign Resources, Global Interests; 1992 Convention on Biological Diversity; Species Conservation</p>	<p>Brown Weiss, et al., pp. 858-860</p> <p>Robert Costanza, et al., "The value of the world's ecosystem services and natural capital," 387 Nature, 253 - 260 (15 May 1997).</p> <p>Sand, P. H. (1999). International Regulation of Trade in Endangered Species.</p> <p>Transnational Environmental Law: Lessons In Global Change. P. H. Sand. The Hague; Boston, Kluwer Law International.</p>
6	<p>Human Rights and Environment</p> <p>Sub-topics: Environmental Human Rights, Violations of Human Rights resulting from Global Warming The UN study on Human Rights & Environment.</p>	<p>Adriana F. Aguilar and Neil A.F. Popovic, "Lawmaking in the United Nations: The UN Study on Human Rights and the Environment," 3 RECIEL 197-205 (1994).</p> <p>Brown Weiss, et al., Chapter VIII pp. 429-57. 1994 Draft Declaration on Principles on Human Rights and the Environment.</p> <p>Neil A.F. Popovic, "In Pursuit of Environmental Human Rights: Commentary on the Draft Declaration of</p>

		Principles on Human Rights and the Environment,"27 Columbia Human Rights Law Review 487 (1996).	
7	Role of National Courts and Laws Sub-topics: National Courts play different roles in relation to IEL Exploring the relationship of national courts and IEL	Bodansky & Brunnee, "The Role of National Courts in the Field of International Environmental Law." RECIEL 7(1): 11-20.	
8	Revision		
9	MID-TERM EXAMS		
10	Hazardous Waste, Chemicals and Global Environmental Justice Sub- topics: Are these problems best handled at national, regional or international level? Basel Convention on Transboundary Movement of Hazardous Waste Rotterdam Convention on Prior Informed Consent	Lagniappe – Medellin v. Texas, 552 U.S. ____ (2008) Garcia-Johnson, Ronie. 2000. Exporting environmentalism: U.S. multinational chemical corporations in Brazil and Mexico. Cambridge, MA: MIT Press. Henrik Selin, —Global Politics and Policy of Hazardous Chemicals. Agarwal, Anil, Sunita Narain, Anju Sharma, and Achila Imchen, eds. 2001. Global Environmental Negotiations: Poles Apart.	
11	Trade law, domestic environmental regulation, and precaution Sub-topics: Shrimp-Turtle Dispute, Beef Hormone Dispute	Summary of: 1998. UNITED STATES - IMPORT PROHIBITION OF CERTAIN SHRIMP AND SHRIMP PRODUCTS. WT/DS58/AB/R: World Trade Organization Appellate Body Porter, Gareth. 1999. Trade Competition and Pollution Standards: <u>'Race to the Bottom'</u> or <u>'Stuck at the Bottom'</u> ? Journal of Environment and Development 8 (2): 133-151 Logsdon, Jeanne M., and Bryan W. Husted. 2000. "Mexico's environmental performance under NAFTA: the first 5 years." Journal of Environment and Development 9 (4):370-83. Prakash, Aseem, and Matthew Potoski. 2006. "Racing to the Bottom?: Trade, Environmental Governance, and ISO 14001." American Journal of Political Science 50 (2). Brown Weiss, et al., pp. 933-942, 959-83	
12	Forests and other Habitats Protection Sub-topics: The Ramsar Convention on Wetlands of International Importance especially as Waterfowl Habitat. 1971. Towards Illegal Timber Ban	Ross, Michael. 1996. "Conditionality and Logging Reform in the Tropics." Ramsar Convention Bureau. The Criteria for Identifying Wetlands of International Importance 2006 (http://www.ramsar.org/key_criteria.htm) Agarwal, Anil, Sunita Narain, and Anju Sharma, eds. 1999. Global Environmental Negotiations: Green Politics. Vol. 1. New Delhi: Centre for Science and Environment, chapter 5, pp. 221-248	
13	State Responsibility – War and Environment Sub topics: Dealing with the consequences of war	Brown Weiss, et al., Chapter 14 Report and Recommendations Made by the Panel of Commissioners Concerning the Third Installment of "F4" Claims (S/AC.26/2003/31) – Overview and B. Claim No. 5000256 – Damage to groundwater resources; Section VI – Claims of the	

		Kingdom of Saudi Arabia, A. Claim No. 5000451 – Damage to coastal resources, and the annexes related to these claims. Governing Council Decision 212, Decision concerning the third instalment of "F4" claims ... (S/AC.26/Dec.212 (2003))	
14	Global Common Pool Resources Sub-topics: Issues to be handled at International level. Barriers to International Cooperation	Mitchell, Ronald B. 1999. "International Environmental Common Pool Resources: More Common than Domestic but More Difficult to Manage," in Anarchy and the Environment: The International Relations of Common Pool Resources, ed. J. S. Barkin and G. Shambaugh. Albany, NY: SUNY Press.	
15	Long Range Transboundary Air Pollution and Ozone Sub-topics: Convention on Long-Range Transboundary Air Pollution, 1979 Vienna Convention and Its Montreal Protocol 1985	Munton, Don, Marvin Soroos, Elena Nikitina, and Marc A. Levy. 1999. Acid rain in Europe and North America. In The effectiveness of international environmental regimes: causal connections and behavioral mechanisms, edited by O. R. Young. Cambridge, MA: MIT Press. DeSombre, Elizabeth R. 2000. Domestic sources of international environmental policy: industry, environmentalists, and U.S. power. Cambridge, MA: MIT Press, ch.4. Parson, Edward A. 2003. Protecting the ozone layer: science and strategy. Oxford: Oxford University Press.	
16	Compliance with International Environmental Law Sub-topics: How is international law implemented? - Which parties comply, and under what conditions?	Downs, George W., David M. Rocke, and Peter N. Barsoom. 1996. Is the good news about compliance good news about cooperation? International Organization 50 (3):379-406. Principle 2 of the 1972 Stockholm Declaration, the 1982 World Charter for Nature, the 1992 Rio Declaration and Agenda 21 In emergency situations. Basel Convention and the Lac Lanoux Arbitration. UNFCCC (Art 4(1)(h)) and CITES. Zaelke, et al., Chapter 7 introduction Brown Weiss, et al. - pp. 386-389, Seveso Aarhus Convention, Preamble, Articles 1, UNFCCC, Article 4(1)(h) UNCC, Governing Council Decision 258. Sand, Peter, H., The Right to Know: Environmental Information Disclosure by Government and Industry. Institute of International Law, University of Munich (2002). Zaelke, et al., Chapter 7 introduction Brown Weiss, et al. - pp. 386-389, Seveso	
17	Revision		
18	FINAL EXAMS		

Important Note: This course outline is a working outline for our semester. It is your responsibility to read everything stated in this document and meet all the requirements in order to complete the course successfully. If you do not read the whole course outline and meet the

requirement enumerated therein, you will take the responsibility for any penalty, e. g., fail grade misunderstanding, misinformation, or anything that may impact your grade.

FACULTY NAME: Dr. TAUSEEF IQBAL
COURSE OUTLINE

Course Name	Advance Competition Law	Prepared in	Spring 2019
Course Code	LLM 754		
Credit Hours	3		
Course Prerequisite	Nil		
Prerequisite Code	N/A	Revised on	As per Requirement
Course Type	Elective Course		
Program	LLM and PhD		
Semester	Spring 2019		

Course Description

Competition law aims at developing a market wherein business undertakings compete with each other to produce better products in the market. It protects both undertakings and consumers from anti-competitive practices. The latter include any agreements between undertakings restricting competition, misuse of position by any dominant undertaking, merger/amalgamation between undertakings to discourage competition etc. Competition law, although, new fields of legal studies in Pakistan, is getting attentions of masses to safeguard their economic rights.

In Pakistan, a quasi-judicial body, Competition Commission of Pakistan, is mandated to ensure that a competitive and vibrant environment exists that could ultimately lead to robust economic activities and better products for consumer. Course would mainly rely upon competition act and regulation in vogue in Pakistan in comparison with EU laws where necessary.

Course Learning Outcomes

CLO #	Description
1.	Students will be able to understand the nature of competition in economic market
2.	Strengthen theoretical understanding of different theories and objective of competition law
3.	Increase student understanding of latest principle as applied by CCP and Courts.

Teaching & Learning Methodology

Reading material

Class discussions

Presentations on selected topics

Grading Policy

	Assessment Instruments	Percentage	
	Quiz	10%	
	Assignments/presentations	20%	
	Mid Term Exam	30%	
	Final Exam	40%	
	Total	100%	

Week-wise Course Outline		
Week / Session	Contents	Activities / Learning Outcome/Readings
1.	Introduction of the Course Overview of the Course Evaluation of background knowledge	
2	History of Competition law in Pakistan Six phases of competition law developments in Pakistan	Fatima, Sayyeda. "Competition law in Pakistan: brief history, aspirations and characteristics." <i>Commonwealth Law Bulletin</i> 38, no. 1 (2012): 43-62.
3	The theory of competition Pro-competition theories like economic efficiency, productive efficiency,	Richard Whish and David Bailey, <i>Competition Law, seventh edition</i> (OUP 2011) Pages 3-19
4	The theory of competition Questioning competition and competition law	Richard Whish and David Bailey, <i>Competition Law, seventh edition</i> (OUP 2011) Pages 3-19
5	Functions of Competition Law Consumer protection Redistribution Protecting competitors	Richard Whish and David Bailey, <i>Competition Law, seventh edition</i> (OUP 2011) Pages 19-25
6	Understanding the market Product market Geographical market	Richard Whish and David Bailey, <i>Competition Law, seventh edition</i> (OUP 2011) Pages 25-48 Competition Act 2010
7	Debate on a selected topic	
8	Revision	
9	MID-TERM EXAMS	
10	Abuse of Dominant Position What constitute dominant position	Richard Whish and David Bailey, <i>Competition Law, seventh edition</i> (OUP 2011) Pages 179-215 Competition Act 2010 Case laws
11	Prohibited Agreements Agreements falling with prohibited agreements Exemptions from Prohibited agreements	Richard Whish and David Bailey, <i>Competition Law, seventh edition</i> (OUP 2011) Pages 82-172 Competition Act 2010 Competition (Exemption) Regulations 2014 Case laws
12	Guest Lecture	
13	Deceptive Marketing Practices	Competition Act 2010 Case laws
14	Mergers and Competitions Understanding how mergers affect	Richard Whish and David Bailey, <i>Competition Law, seventh edition</i> (OUP 2011) Pages 951-956,

	competitions Two phases of review of mergers by competition	809- 827, 898-906 Competition Act 2010 Competition (Merger Control) Regulations 2016 Case laws
15	Investigation and Enquiry Powers and limits of officers regarding investigation/enquiry	Competition Act 2010 Competition commission Enquiry (conduct of investigation officer) Rules 2007 Case Laws
16	Revision	

Suggested Readings

Richard Whish and David Bailey, *Competition Law, seventh edition* (OUP 2011)

Herbert Hovenkamp , *The Antitrust Enterprise: principles and execution* (Harvard University Press 2005)

Moritz Lorenz, *An introduction to EU competition Law* (Cambridge Press 2013)

Bork, Robert H. *The antitrust paradox: A policy at war with itself.* Vol. 79. New York: basic books, 1978.

FACULTY NAME: DR TAUSEEF IQBAL**COURSE OUTLINE**

Course Name	Advance Securities Law and Regulation	Prepared in	Spring 2019
Course Code	LLM 755		
Credit Hours	3		
Course Prerequisite	Nil		
Prerequisite Code	N/A	Revised on	As per Requirement
Course Type	Elective Course		
Program	LLM and PhD		
Semester	Spring 2019		

Course Description

Securities Law deals with regulations that are applicable to securities market: all actors that are involved in the trading of shares and bonds of a company. In the wake of globalization of finance, the subject has assumed greater importance in particular to secure the gullible investors. Due to complexities of financial sector overall, securities regulations are dense. There are different players that provide services relating to trading of securities and are regulated by securities regulators. A common investor has to rely upon these services and if these are not adequately regulated, the investment environment does not remain conducive.

In this scenario, significance of securities market regulators further increases. Thus the subject would analyse the powers and functions of Securities and Exchange Commission of Pakistan in comparison with other regulators in the region. In addition to broker which are directly linked with securities investors, there are other equally vital participants like stock exchanges, central depository centre and clearing houses. The course would also discuss functions and regulations of these participants. To better grasp theoretical framework, the course would also include different theories of securities regulations.

Course Learning Outcomes

CLO #	Description	
1.	Students will be able to understand the nature securities and financial market	
2.	To comprehend theoretical work of securities law	
3.	To elaborate different malpractices relating to securities and legal means to overcome them.	

Teaching & Learning Methodology			
Reading material Class discussions/participation Debate on selected topics Critical analysis of given topics			
Grading Policy			
	Assessment Instruments	Percentage	
	Quiz	10%	
	Assignments/presentation	20%	
	Mid Term Exam	35%	
	Final Exam	40%	
	Total	100%	
Week-wise Course Outline			
Week / Session	Contents	Activities / Learning Outcome/Readings	
1.	Introduction to Securities	Patrick S. Collins <i>Regulations of securities, markets, and transactions: A guide to the new environment</i> Chapter 1	
2.	Theories/objectives of Securities Regulations	Patrick S. Collins <i>Regulations of securities, markets, and transactions: A guide to the new environment</i> pp. 16-19 IOSCO, Objectives and Principles of Securities Regulation, February 2010	
3	Shares, debentures and public offering	The Companies (Buy-Back of Shares) Rules, 1999 Alan Dignam & John Lowry <i>Company Law</i> OUP (2012) Ch. 5 and 6 Company Act 2017 Part V Companies (Issue of Capital) Rules, 1996 Companies' Share Capital (Variation in Rights and Privileges) Rules, 2000	
4	Registration of Securities	Patrick S. Collins <i>Regulations of securities, markets, and transactions: A guide to the new environment</i> pp. 29-35 Securities Act 2015 PSX Listing Regulations	
5	Prospectus: Purposes and liability for misstatements in prospectus	Alan Dignam & John Lowry <i>Company Law</i> OUP (2012) Ch. 5 Securities Act 2015 PSX Listing Regulations	
6	Stock Exchanges: Functions and Regulations	Siems, Mathias M. "The foundations of securities law." <i>European Business Law Review</i> 20.1 (2009): 141-171 Securities Act 2015 PSX Listing Regulations	
7	Securities Brokers and their regulations	Securities Act 2015 Securities Brokers (Licensing and Operations)	

		Regulations 2016	
8	Other players: Central Depository Companies and Clearing Houses Revision	Securities Act 2015 Central Depositories Act 1997 Central Depositories (Licensing & Operations) Regulations, 2016 Clearing Houses (Licensing & Operations) Regulations 2016	
9	MID-TERM EXAMS		
10	Insider Trading: prohibition and exemptions	Securities Act 2015 Alan Dignam & John Lowry <i>Company Law</i> OUP (2012) Ch. 5	
11	Other Securities Market Abuses: Regulations of false trading, market manipulations	Moloney, Niamh. <i>EU securities and financial markets regulation</i> pp. 669-769 Securities Act 2015	
12	Securities Market Regulators: Comparison of SECP with other regulators	Securities and Exchange Commission Act 1997	
13	Short Selling Prohibition	Patrick S. Collins <i>Regulations of securities, markets, and transactions: A guide to the new environment</i> pp. 62-77	
14	Penalties and immunities	Securities Act 2017 Securities and Exchange Commission Act 1997	
15	Guest Lecture and Visit to Pakistan Stock Exchange		
16	Courts and Legal Proceedings	Securities Act 2017 Securities and Exchange Commission Act 1997	
17	Revision		
18	FINAL EXAMS		

Suggested Readings

- Patrick S. Collins *Regulations of securities, markets, and transactions: A guide to the new environment* Wiley 2011
- Beale, Hugh, et al. *The law of security and title-based financing*. OUP Oxford, 2012.
- Cox, James D., Robert W. Hillman, and Donald C. Langevoort. *Securities regulation: cases and materials*. Wolters Kluwer Law & Business, 2016.
- Moloney, Niamh. *EU securities and financial markets regulation*. OUP Oxford, 2014.
- Steinberg, Marc I. *Understanding securities law*. LexisNexis, 2009.
- Soderquist, Larry D., and Theresa A. Gabaldon. *Securities Law*. Foundation Press, 2007.
- Hazen, Thomas Lee. *Treatise on the law of securities regulation*. Vol. 4. West, 2009.
- Louis Loss et al., *Fundamentals of Securities Regulation*, 7th ed. (Ford KF1439 .L68 2018)

Appendage 3307

ROADMAP OF MS ECONOMICS
MS ECONOMICS (2 YEARS)
FIRST SEMESTER (12 CR)

S.No.	Course Code	Course Titles	Level	Credit Hours
1	MSE 701	Advance Micro-Economics	Core	3
2	MSE 705	Developmental Economics: theory and Policy	Core	3
3	MSE 704	Mathematical Methods for Economists	Core	3
4		Elective 1		3

Second Semester & Electives (12 Cr)

S.No.	Course Code	Course Titles	Level	Credit Hours
1	MSE 702	Advance Macro-Economics	Core	3
2	MSE 703	Applied Econometrics	Core	3
3		Elective 2		3
4		Elective 3		3

Third Semester (3 Cr)

S.No.	Course Code	Course Titles	Level	Credit Hours
1	THS 701	Thesis Write-up		3

Fourth Semester (3 Cr)

S.No.	Course Code	Course Titles	Level	Credit Hours
1	THS 701	Thesis Write-up		3

Total Credit Hours: 30

Core: 15

Dissertation: 6

Electives: 9

List of Electives:

S.No.	Course Code	Course Titles	Concentration
1	MSE 711	Seminars in Applied Economics/Applied Policy Analysis for Macroeconomic Development	Economics
2	MSE 712	Financial Economics	Finance
3	MSE 713	International Trade	Economics
4	MSE 714	Fiscal Policy	Finance
5	MSE 715	Monetary Policy	Finance
6	MSE 716	Environmental and Natural Resource Economics	Economics
7	MSE 717	Public Economics for Public Policy	Economics
8	MSE 718	Industrial Economics	Economics
9	MSE 719	Urban Economics	Economics
10	MSE 720	Economic Appraisal and Valuation	Finance
11	MSE 721	Research Methods	Economics

Examination Policy:Mid-terms: **30 Marks**Final terms: **40 Marks**Quizzes/Assignments: **30 Marks**Total: **100 Marks**

Appendage 3308

**INCLUSION OF 'ENTREPRENEURIAL FINANCE' AS FINANCE ELECTIVE FOR BBA/MBA AND BS
(A&F)**

Course Outline Entrepreneurial Finance

Course Name	ENTREPRENEURIAL FINANCE		
Course Code	FIN 603		
Credit Hours	Three (3)		
Course Prereq. Name	FINANCIAL MANAGEMENT		
Course Prereq. Code	FIN 502		
Course Type	<input type="checkbox"/> Elective Course		
Program	<input type="checkbox"/> BBA/MBA/BS (A&F)		
Semester	Fall – 2019		
Course Description	<p>This course aims to equip the future entrepreneurs with abilities to write business plans that would enable them to locate sources of equity and debt financing for their proposed business ventures. The course also strives to enhance the financial management and analytical skills that are necessary during the investment phase as well as the operational phase of the businesses. One of the important aspects of the entrepreneurial finance spectrum is the capability to undertake valuation of business enterprises. This skill is also a key aspect of this course.</p>		
Course Learning Outcomes			
CLO #	Description		
1	To enable prospective student-entrepreneurs to acquire skills for writing business plans that would enable them to attract debt and/ or equity financing for their business ventures		
2	To undertake financial management and analysis during project implementation, and after start of commercial operations of the enterprise		
3	Conducting valuation of businesses for possible sell-out, for takeover of another business, to invite investors for financing		
Teaching & Learning Methodology	<ul style="list-style-type: none"> ➤ Lectures and class room discussions aided with power-point slides ➤ Class room exercises ➤ Case studies and Guest lectures 		
Textbook(s)	Entrepreneurial Finance, Steven Rogers, 2 nd Edition, MacGraw Hill, 2009		
Reference Book(s)	Entrepreneurial Finance, Paul A. Gompers, John Wiley & Sons, 2002 International Private Equity, Eli Talmor, John Wiley & Sons, 2011		

Manual For Preparation of Industrial Feasibility Studies, UNIDO.
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Grading Policy

	Assessment Instruments	Percentage	
	Quizzes	15%	
	Assignments	20%	
	Mid Term Exam	25%	
	Final Exam	40%	

Week-wise Course Outline

	Contents	Activities (case studies, role plays, movie clips, exercises, presentations, homework)
1	INTRODUCTION TO ENTREPRENEURSHIP <ul style="list-style-type: none"> ➤ Inventor vs. Innovator ➤ Entrepreneur <ul style="list-style-type: none"> → Essential Characteristics ➤ Intrapreneur <ul style="list-style-type: none"> → Essential Characteristic ➤ Reasons for becoming an entrepreneur ➤ The spectrum <ul style="list-style-type: none"> → Start-up, acquisition, franchise ➤ Legal structure <ul style="list-style-type: none"> → Proprietorship, partnership, → Joint Stock Corporation → Other forms → Pros and Cons of the foregoing forms 	<p>Class activity: Explore the possible areas for future business innovation</p> <p>Home assignment 1: Search the internet and come up with at least four innovative business ideas which may be implemented in Pakistan and on which you can write a business plan Write a half-page brief on each of the four business proposals. Submission deadline: Second week</p>
2	CAPACITY & SCOPE OF OPERATIONS <ul style="list-style-type: none"> ➤ Product vs. Service <ul style="list-style-type: none"> → Tangibility of out put → Inseparability, counting the units, storage, and COGS of output. → Quality, Warranty and Patents → Immediacy in consumption and consumer response → Human element/personal touch ➤ Scope of operations of the proposed business venture ➤ Estimating the capacity of output of the proposed business venture <p>Designed capacity vs. Operational Capacity</p>	<p>Class activity 1: Identify different organizations providing services. Identify different organizations providing products.</p> <p>Class activity 2: Discuss the scope of operations of the four possible ventures submitted in the first assignment Discuss the capacity of output of the above four.</p> <p>Home assignment 2: Explore latest audited balance sheets of any two listed Pakistani manufacturers belonging to the same business segment. Note down their designed capacities and the total yearly output. Discuss the reasons of under utilization of capacities</p>

		(if any) for both of the firms. Submission Deadline: Third Week, hard form, two pages maximum.
3	PROJECT COST AND FINANCING PLAN <ul style="list-style-type: none"> ➤ Linkage between scope of operations/capacity and total project cost ➤ Project Cost Elements <ul style="list-style-type: none"> → Land, Buildings/Civil Works → Machinery: Local and Foreign → Freight, Customs duty, Installation → Vehicles, Furniture & Fixtures → Interest During Construction → Preliminary & Pre-Production Expenses and Contingencies → Initial Working Capital → Total Project Cost → Financing/Capital Structure → Details of Financing Arrangements 	<p><u>Class activity 1:</u></p> <p>Interactive discussion on length of the construction period for different project activities .</p> <p>Developing a construction schedule through bar charts and through Gantt Charts.</p> <p>Extensive class room discussions on explaining the linkage between scope of operations/capacity, length of the project implementation/construction time period and their impact on project cost especially machinery, interest during construction, and preproduction expenses, and working capital.</p>
4	BUSINESS FAILURES <ul style="list-style-type: none"> ➤ Types and categories of business failures ➤ Reasons of business failures ➤ Statistics of business failures/bankruptcies ➤ Importance of encountering failures for entrepreneurs and financiers ➤ Differentiation between business failure and the tail-end of the product life cycle ➤ Legal and Regulatory aspects in business failures ➤ Lessons to be learnt from business failures 	<p><u>Class activities and class group assignment</u></p> <p>Identify prominent business failures in Pakistan and their possible reasons for failures</p> <p>Identify prominent global business failures and their reasons of failures researched</p> <p>Identify prominent examples either in Pakistan or in global context for shorter product life cycles to comprehend the difference between a typical product/business failure and the last stage of the product life cycle</p>
5	THE BUSINESS PLAN <ul style="list-style-type: none"> ➤ Essential characteristics ➤ Main parts: Executive summary, The company and its management team, Choosing the appropriate form of business organization. ➤ The industry, the market, product description, Competition, Marketing and sales, Infrastructure facilities, Operating Plan, References ➤ Choosing an appropriate capacity of the output, its linkage with the target 	<p><u>Class activity</u></p> <p>Evaluate an already formulated business plan in groups.</p> <p><u>Class Assignment</u></p> <p>Conduct a critical evaluation of a business plan in groups.</p> <p>The assignment would be graded on group basis</p>

	market and target market size, constraints on capacity, Total project cost (investment cost), means of finance, capital structure.	
6	<p>FINANCIAL STATEMENT ANALYSIS</p> <ul style="list-style-type: none"> ➤ Balance Sheet, Income Statement, Statement of Cash Flows, and the Statement of Equity ➤ Analysis of Income Statements, Balance Sheets & Cash Flows ➤ Liquidity Analysis, Efficiency Analysis, Profitability Analysis ➤ Solvency (Debt) Analysis, Analysis of the Market value ratios ➤ Strengths and weaknesses of the ratio analysis techniques ➤ Common size analysis, trend analysis, industry analysis/averages/benchmarks 	<p>Class Exercise</p> <p>Identification of companies with reference to their business sectors with the help of ratios</p> <p>CLASS QUIZ:</p> <p>Common size analysis and ratio analysis</p>
7	<p>CASH FLOWS</p> <ul style="list-style-type: none"> ➤ Types of cash flow – EBITDA, FCF ➤ Cash Flow Forecasts ➤ Obtaining a series of funding versus all funding at one time ➤ Statement of Cash Flow, the three parts, the preparation methods ➤ Key goals of cash flow management 	<p>Class Exercise</p> <p>Preparation of Statement of Cash Flows through the indirect method on two different data sets</p> <p>CLASS QUIZ:</p> <p>Make a formal statement of cash flow in its proper format from a given data set.</p>
8	<p>VALUATION</p> <ul style="list-style-type: none"> ➤ Overview of the valuation process ➤ Factors to be taken into consideration for valuation ➤ Pre-money and post-money valuations ➤ Why undertake valuation of one's own business? ➤ Key Factors Influencing Valuation, Valuation Methods, Multiples, Multiples of Gross Margin, Different Industries ➤ Use Different Multiple Benchmarks, Asset Valuation, Capitalization of Cash Flows, Valuing Technology and Internet Companies 	<p>CLASS ACTIVITY:</p> <p>Discussion on Valuation of PIA for privatization</p> <p>CLASS QUIZ:</p> <p>Recommend the sale price of shares of PIA and state the rationale for the price.</p>

9	<p>RAISING CAPITAL</p> <ul style="list-style-type: none"> ➤ Advice on never running out of money, Why it is difficult to raise capital? ➤ Value added investors, Sources of Capital ➤ Investor ratings of entrepreneur 	<p><u>CLASS ACTIVITY:</u></p> <p>Discussion on the role of “Activist Investors”</p>
10	<p>RAISING DEBT</p> <ul style="list-style-type: none"> ➤ Types of Debt, Strengths and weaknesses of debt financing ➤ Sources of debt financing, SME and SME financing, Rules to live by ➤ Types of loans and their repayment methods ➤ Repayment Methods: Fixed Installment and declining interest, Balloon Repayment, Amortization. <p>Loan Securities</p> <ul style="list-style-type: none"> ➤ Pledge, Hypothecation, Mortgage, Lien, Guarantee <p>Financial Institutions</p> <ul style="list-style-type: none"> ➤ Banks, Leasing Companies, Microfinance Institutions ➤ Venture Capital Institutions 	<p><u>CLASS ACTIVITY:</u></p> <p>Preparation of the three loan repayment methods through examples</p> <p>CASE: Grameen Bank's role in microfinance</p> <p>Case study: Loan Securities at PIA</p> <p>Video: Innovation and venture capital</p>
11	<p>RAISING EQUITY</p> <ul style="list-style-type: none"> ➤ Private vs. Public equity ➤ Friends and Angels, ➤ Initial Public Offerings, listing 	<p>Discussion Examples:</p> <p>Raising Capital by FACEBOOK, ALIBABA, ENGRO, MEAT-ONE</p>
12	<p>INTRAPRENEURSHIP</p> <ul style="list-style-type: none"> ➤ The Intrapreneurship Spectrum, Intrapreneurship Models ➤ Traits of the High-Growth Intrapreneur ➤ Acts of Intrapreneurship ➤ Signs of Intrapreneurial Success ➤ Standard Operating Procedures 	<p>Class Activity</p> <p>Intrapreneurship in Pakistan</p> <p>Identifying best practices for Intrapreneurship</p>
13	<p>STUDENT PRESENTATIONS</p> <p>Business Plan presentations in groups of four</p>	
14	<p>STUDENT PRESENTATIONS</p> <p>Business Plan presentations in groups of four</p>	
15	<p>STUDENT PRESENTATIONS</p> <p>Business Plan presentations in groups of four</p>	

Reviewed Roadmap of BBA 4 Years: Compliance to HEC New Policy

Total Credit Hours: 135

Semester-1:

Course Code	Subject	CH
ENG 105	Functional English	3
MKT 110	Principles of Marketing	3
QTM 101	Business Mathematics I	3
ECO 110	Microeconomics	3
MGT 111	Principles of Management	3
MIS 161	IT in Business (word, excel)	3

Semester-2:

Course Code	Subject	CH
ENG 120	English Writing Skills	3
QTM 120	Business Mathematics II / Numeracy Skills	3
HSS 202	Introduction to Sociology	3
ECO 121	Macroeconomics	3
QTM 110	Business Statistics	3
ACC 101	Principles of Accounting	3

Semester-3:

Course Code	Subject	CH
ENG 132	Oral Communication(Public Speaking)	3
QTM 205	Statistical Inference and Quantitative Research	3
ACC 102	Financial Accounting	3
ISL 201/ ETH 102	Islamic Socio-Economic Studies / Ethics	3
MKT 231	Marketing Management	3
MGT 242	Organizational Theory and Behavior	3

Semester-4:

Course Code	Subject	CH
MGT 211	Self-Management	3
ACC 203	Cost Accounting	3
BCM 204	Business Communication	3
FIN 201	Fundamentals of Finance	3
MGT 301	Business Law	3
SOC 350	Business Ethics	3

Semester-5:

Course Code	Subject	CH
MGT 311	Career Exploring Management	3
RMT 621	Operations Research	3
HRM 353	Human Resource Management	3
FIN 202	Financial Management	3
ACC 304	Managerial Accounting	3
HSS 301	Social and Psychological Development	3

Semester-6:

Course Code	Subject	CH
MIS 460	E-Commerce	3
MGT 363	Entrepreneurship	3
OPM 360	Operation & Production Management	3
SCM 360	Supply Chain Management	3
ECO 362	Managerial Economics	3
	Specialization-1	3

Semester-7:

Course Code	Subject	CH
MIS 461	Advance Application of IT in Business	3
RMT 240	Research Methods and Techniques	3
MGT 404	Analysis of Pakistan Industries / Business	3
HSS 403	Pakistan and Geo-political Studies	3
	Specialization-II	3

Semester-8:

Course Code	Subject	CH
MGT 463	Corporate Skills	3
MGT 487	Change Management	3
	Specialization - III	3
	Specialization - IV	3

Note: Internship shall be undertaken after 5th semester.

Electives

Marketing:

Course Code	Subject
MKT 610	International Marketing
MKT 655	Services Marketing
MKT 660	Strategic Marketing
MKT 665	Cases in Marketing
MKT 635	New Product Development
MKT 662	Brand Management
MKT 699	Social Media Marketing
MKT 696	Consumer Behavior And Psychology
MKT 620	Marketing Research

Minutes of 33rd ACM

MKT 698	Integrated Marketing Communication
MKT 650	Sales Management
MKT 620	Marketing Research
MKT 672	B to B and Personal Selling
MKT 663	Promotion and Advertising Management
MKT 689	Digital Marketing
MKT 691	Retail and Sales Management
MKT 692	Export Marketing
MKT 693	Marketing Issues in Pakistan
MKT 694	Public Rationing and Relationship Marketing
MKT 695	Agriculture Marketing
MKT 603	Product Management
MKT 604	Distribution Management
MKT 605	Digital Analytics
MKT 606	Electronic CRM
MKT 697	Social Marketing

HRM:

Course Code	Subject
HRM 666	Negotiations and Conflict Management
HRM 648	Organizational Development
HRM 676	International Human Resource Management
HRM 677	Seminars In HRM
HRM 689	Recruitment and Selection
HRM 679	Performance Management
HRM 690	HRM and HRD
HRM 691	Career Planning and Strategic Compensation Management
HRM 660	Training and Development
HRM 670	HR Planning
HRM 664	Job Analysis and Design
HRM 649	HR Research Methods
HRM 682	Industrial Relations and Employment Laws
HRM 671	HR Information Systems
HRM 681	Strategic HRM
HRM 665	HR Theory and Practice
HRM 692	Organizational Psychology

Finance:

Course Code	Subject
FIN 690	Financial Modeling
FIN 698	Strategic Finance
FIN 612	Analysis of Financial Statements
FIN 619	Financial Derivatives
FIN 611	Corporate Finance
FIN 692	Financial Markets and Institutions
FIN 693	Cases in Corporate Finance
FIN 694	Money and Banking

FIN 695	Investment Analysis and Portfolio Management
FIN 635	Management Corporate Turnaround
FIN 696	Financial Reporting
FIN 697	Taxation and Auditing
ACC 622	Accounting Information Systems
FIN 682	Corporate Restructuring
FIN 688	Islamic Finance Theory and Practices
FIN 649	Islamic Banking and Finance
ACC 609	Corporate Law
ACC 608	Advanced Corporate Reporting
FIN 662	Financial Institution Management
FIN 603	Entrepreneurial Finance

Entrepreneurship:

Course Code	Subject
ENT 602	Cases in Entrepreneurship
ENT 603	Developing New Products and Services
ENT 620	Entrepreneurial Strategy in Emerging Markets
ENT 606	Innovations and Entrepreneurship
ENT 607	Managing Entrepreneurial Firms
ENT 608	Social Responsibility and Entrepreneurship
ENT 622	Business Growth and Entrepreneurial Finance
ENT 612	Entrepreneurial Marketing
ENT 613	Organizations and Leading Change
ENT 614	Economic of Location and Transportation
ENT 621	Retailing and International Entrepreneurship
ENT 617	Corporate Entrepreneurship
ENT 619	Technology Entrepreneurship

MIS:

Course Code	Subject
MIS 655	Database Management System
MIS 620	System Analysis and Design
MIS 679	Enterprise Resource Planning (ERP) Implementation
MIS 672	Web Application Development
MIS 625	Business Process Re-Engineering
MIS 680	Data Communication and Networking
MIS 681	Information Security and System Auditing
MIS 657	Knowledge Management Systems and Technologies
MIS 658	Business Intelligence and Decisions Support
MKT 605	Digital Analytics
MKT 607	Electronic CRM

SCM:

Course Code	Subject
SCM 619	Strategic SCM
OPM 611	Operations and Production Management
SCM 650	Total Quality Management
SCM 600	Inventory Management
SCM 614	Strategic Operation Management
SCM 615	Sourcing and Logistics Management
SCM 616	Supply Chain Modeling
SCM 617	Demand Forecasting
SCM 618	Pricing In SCM
SCM 520	Purchasing
SCM 630	Strategic Procurement in Supply Chain
SCM 631	Operational Planning in Supply Chain
SCM 632	Execution and Control of Operations in SCM
SCM 633	Master Planning of Resources in SCM
SCM 634	Detailed Scheduling and Planning In SCM
SCM 635	Strategic Management of Resources In SCM
SCM 636	Green Supply Chain Management – GSCM
SCM 637	Shipping in SCM
SCM 639	Operational Planning in Supply Chain
SCM 638	Supply Chain Strategy, Design and Compliance
SCM 640	Supply Chain Implementation and Operations
SCM 701	Fundamentals of Supply Chain Management

Foreign Languages

CLE 401	Chinese Language
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Appendage 3311**Reviewed Roadmap of MBA 2 Years: Compliance to HEC New Policy**

Total Credit Hours: 60

Semester-1:

Course Code	Subject	CH
MKT 522	Marketing Management	3
ACC 501	Financial Accounting	3
MGT 501	Theories and Practices of Management	3
BCM 512	Business Communication	3
QTM 503	Stats & Math For Management	3

Semester-2:

Course Code	Subject	CH
MGT 541	Human Resource Management	3
ACC 503	Cost and Managerial Accounting	3
ECO 520	Economics	3
FIN 502	Financial Management	3
RMT 620	Methods in Business Research	3

Semester-3:

Course Code	Subject	CH
MGT 662	Strategic Management	3
FIN 611	Corporate Finance	3
SDW 696	Dissertation(Proposal Development)	3
	Specialization I	3
	Specialization II	3

Semester-4:

Course Code	Subject	CH
MGT 653	Corporate Leadership and Social Responsibility	3
	Specialization III	3
	Specialization IV	3
MKT 600	Contemporary Issues in Business	3
SDW 698	Thesis Write up and Defense	3

MBA-1.5 Years (30 Credit Hours)**Semester-1:**

Course Code	Subject	CH
MGT 662	Strategic Management	3
FIN 611	Corporate Finance	3
MGT 653	Corporate Leadership and Social Responsibilities	3
	Specialization I	3

Semester-2:

Course Code	Subject	CH
MKT 600	Contemporary Issues in Business	3
	Specialization II	3
	Specialization III	3
SDW 696	Dissertation(Proposal Development)	3

Semester-3:

Course Code	Subject	CH
SDW 698	Thesis Write up and Defense	3
	Specialization IV	3

Electives**Marketing:**

Course Code	Subject
MKT 610	International Marketing
MKT 655	Services Marketing
MKT 660	Strategic Marketing
MKT 665	Cases in Marketing
MKT 635	New Product Development
MKT 662	Brand Management
MKT 699	Social Media Marketing
MKT 696	Consumer Behavior And Psychology
MKT 620	Marketing Research
MKT 698	Integrated Marketing Communication
MKT 650	Sales Management
MKT 620	Marketing Research
MKT 672	B to B and Personal Selling
MKT 663	Promotion and Advertising Management
MKT 689	Digital Marketing
MKT 691	Retail and Sales Management
MKT 692	Export Marketing
MKT 693	Marketing Issues in Pakistan
MKT 694	Public Rationing and Relationship Marketing
MKT 695	Agriculture Marketing
MKT 603	Product Management
MKT 604	Distribution Management
MKT 605	Digital Analytics
MKT 606	Electronic CRM
MKT 697	Social Marketing

HRM:

Course Code	Subject
HRM 666	Negotiations and Conflict Management
HRM 648	Organizational Development
HRM 676	International Human Resource Management
HRM 677	Seminars In HRM

HRM 689	Recruitment and Selection
HRM 679	Performance Management
HRM 690	HRM and HRD
HRM 691	Career Planning and Strategic Compensation Management
HRM 660	Training and Development
HRM 670	HR Planning
HRM 664	Job Analysis and Design
HRM 649	HR Research Methods
HRM 682	Industrial Relations and Employment Laws
HRM 671	HR Information Systems
HRM 681	Strategic HRM
HRM 665	HR Theory and Practice
HRM 692	Organizational Psychology

Finance:

Course Code	Subject
FIN 690	Financial Modeling
FIN 698	Strategic Finance
FIN 612	Analysis of Financial Statements
FIN 619	Financial Derivatives
FIN 611	Corporate Finance
FIN 692	Financial Markets and Institutions
FIN 693	Cases in Corporate Finance
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FIN 682	Corporate Restructuring
FIN 688	Islamic Finance Theory and Practices
FIN 649	Islamic Banking and Finance
ACC 609	Corporate Law
ACC 608	Advanced Corporate Reporting
FIN 662	Financial Institution Management
FIN 603	Entrepreneurial Finance

Entrepreneurship:

Course Code	Subject
ENT 602	Cases in Entrepreneurship
ENT 603	Developing New Products and Services
ENT 620	Entrepreneurial Strategy in Emerging Markets
ENT 606	Innovations and Entrepreneurship
ENT 607	Managing Entrepreneurial Firms
ENT 608	Social Responsibility and Entrepreneurship
ENT 622	Business Growth and Entrepreneurial Finance

ENT 612	Entrepreneurial Marketing
ENT 613	Organizations and Leading Change
ENT 614	Economic of Location and Transportation
ENT 621	Retailing and International Entrepreneurship
ENT 617	Corporate Entrepreneurship
ENT 619	Technology Entrepreneurship

MIS:

Course Code	Subject
MIS 655	Database Management System
MIS 620	System Analysis and Design
MIS 679	Enterprise Resource Planning (ERP) Implementation
MIS 672	Web Application Development
MIS 625	Business Process Re-Engineering
MIS 680	Data Communication and Networking
MIS 681	Information Security and System Auditing
MIS 657	Knowledge Management Systems and Technologies
MIS 658	Business Intelligence and Decisions Support
MKT 605	Digital Analytics
MKT 607	Electronic CRM

SCM:

Course Code	Subject
SCM 619	Strategic SCM
OPM 611	Operations and Production Management
SCM 650	Total Quality Management
SCM 600	Inventory Management
SCM 614	Strategic Operation Management
SCM 615	Sourcing and Logistics Management
SCM 616	Supply Chain Modeling
SCM 617	Demand Forecasting
SCM 618	Pricing In SCM
SCM 520	Purchasing
SCM 630	Strategic Procurement in Supply Chain
SCM 631	Operational Planning in Supply Chain
SCM 632	Execution and Control of Operations in SCM
SCM 633	Master Planning of Resources in SCM
SCM 634	Detailed Scheduling and Planning In SCM
SCM 635	Strategic Management of Resources In SCM
SCM 636	Green Supply Chain Management – GSCM
SCM 637	Shipping in SCM
SCM 639	Operational Planning in Supply Chain
SCM 638	Supply Chain Strategy, Design and Compliance
SCM 640	Supply Chain Implementation and Operations
SCM 701	Fundamentals of Supply Chain Management

Appendage 3312

REVISED TOS OF MBBS AND BDS ACCORDING TO NEW CURRICULA

BAHRIA UNIVERSITY ISLAMABAD

TABLE OF SPECIFICATIONS (THEORY)

Subject: ANATOMY- FIRST PROFMBBS

Total Marks: 100, No of MCQs: 40, No of SAQs: 8, Total MCQ Marks: 40, Total SAQ Marks: 40, Internal Assessment: 20

1.1 Cell biology (cell structure, cell membrane, organelles, modifications, junctions, cell cycle, mitosis, meiosis) - (MCQs: 3 SAQ: 0)

1.2 General - (MCQs: 8 SAQ: 3)

1.2.1 Anatomy: anatomical terms, positions, planes and sections, classifications, vascular system, lymphatic system, nervous system

1.2.2 Embryology: gametogenesis, ovulation, uterine and ovarian cycle, phases of fertilization, zygote formation, 1st, 2nd, 3rd and 4th week of intrauterine life, ART, ectopic pregnancy, embryonic and fetal period, placental development, twinning, teratogens

1.2.3 Histology: primary tissues, epithelial tissues, connective tissues

1.3 Musculoskeletal - (MCQs: 15 SAQs: 2)

1.3.1 Back

1.3.2 Upper limb

1.3.3 Lower limb

1.3.4 Histology of smooth & skeletal muscle, cartilage & bone

1.4 Blood and lymphoid tissue - (MCQs: 4 SAQ: 1)

1.4.1 Gross features of blood and lymphoid organs (lymph nodes, tonsils, thymus, spleen & bone marrow)

1.4.2 Histological features of blood and lymphoid organs

1.4.3 Development of blood and lymphoid organs with associated congenital anomalies

1.5 Respiratory system - (MCQs: 5 SAQ: 1)

1.5.1 Bony features of sternum and rib cage; respiratory movements

1.5.2 Boundaries and contents of mediastinum

1.5.3 Muscles of the chest wall and diaphragm

1.5.4 Gross features of larynx, trachea, lungs and respiratory muscles

1.5.5 Histological features of respiratory tract

1.5.6 Development of the respiratory system and diaphragm with associated congenital anomalies

1.6 Cardiovascular system - (MCQs: 5 SAQ: 1)

1.6.1 Gross features of the heart and great vessels

1.6.2 Histological features of the vessels and cardiac muscle

- 1.6.3 Development of heart, arterial system, venous system and associated congenital anomalies

Total MCQs: 40. TOTAL_SEQ: 8

TABLE OF SPECIFICATIONS (THEORY)

Subject: PHYSIOLOGY – 1 - FIRST PROF (Part-I) MBBS

Total Marks: 100, No of MCQs: 40, No of SAQs: 8, Total MCQ Marks: 40, Total SAQ Marks: 40, Internal Assessment: 20

2.1 CELL PHYSIOLOGY & GENERAL PHYSIOLOGY - (SAQs: 1MCQs: 4)

- 2.1.1 Functional organization of human body
- 2.1.2 Homeostasis examples
- 2.1.3 Control system in the body
- 2.1.4 Cell membrane and its functions
- 2.1.5 Intercellular connections & cell signaling
- 2.1.6 Cell organelles and their functions
- 2.1.7 Mechanism of movements of cell
- 2.1.8 Transport through cell membrane
- 2.1.9 Passive transport (simple and facilitated diffusion and osmosis)
- 2.1.10 Active transport (primary & secondary transport)
- 2.1.11 Bulk transport
- 2.1.12 Nucleus & genetics
- 2.1.13 Genetic disorders/chromosomal abnormalities

2.2 BLOOD - (SAQs: 2MCQs: 9)

- 2.2.1 Composition & function of blood & plasma proteins
- 2.2.2 RBCs (Erythropoiesis, maturation & its regulation)
- 2.2.3 General characteristics of red blood cells & its function
- 2.2.4 Types of hemoglobin & its functions
- 2.2.5 Blood group & Rh factor
- 2.2.6 Blood transfusion
- 2.2.7 WBCs (genesis, maturation factor and regulation)
- 2.2.8 General characteristics, types & functions of WBCs
- 2.2.9 Immunity
- 2.2.10 Structural & functional characteristics of immunoglobulin
- 2.2.11 Platelets (genesis, general characteristics & function of platelets)
- 2.2.12 Hemostasis (clotting factors, intrinsic & extrinsic mechanism)
- 2.2.13 Anemia and its types

2.3 NERVE AND MUSCLE - (SAQs: 1MCQs:6)

- 2.3.1 Classification & physiological properties of nerve fiber
- 2.3.2 Synapse, its classification & disorders
- 2.3.3 Membrane potential & generation of action potential

- 2.3.4 Muscle classification and its properties
- 2.3.5 Mechanism of muscle contraction
- 2.3.6 Muscular disorders /Musculoskeletal disorders

2.4 HEART AND CIRCULATION - (SAQs: 2MCQs: 12)

- 2.4.1 Properties of cardiac muscle & conducting system of heart
- 2.4.2 Generation of pacemaker & cardiac muscle action potential
- 2.4.3 Cardiac out & its regulation
- 2.4.4 Cardiac cycle
- 2.4.5 ECG its recording & interpretation
- 2.4.6 Heart sounds murmurs
- 2.4.7 Blood pressure & its regulation
- 2.4.8 Blood flow & its regulation
- 2.4.9 Microcirculation
- 2.4.10 Shock & its classification
- 2.4.11 cardiovascular adaptation of exercise
- 2.4.12 congenital heart diseases /cardiovascular diseases

2.5 RESPIRATORY SYSTEM - (SAQs: 2MCQs: 9)

- 2.5.1 Functional organization of respiratory system
- 2.5.2 Mechanism of respiration
- 2.5.3 Lung volumes & capacities
- 2.5.4 Ventilation perfusion ratio and zones of lungs
- 2.5.5 Diffusion of gases
- 2.5.6 Transport of gases
- 2.5.7 Regulation of respiration
- 2.5.8 Respiratory adaptation to exercise, high altitude & deep sea diving
- 2.5.9 Hypoxia & its types
- 2.5.10 Respiratory Disorders
- 2.5.11 Obstructive & restrictive airway diseases

Total MCQs: 40. TOTAL_SEQ: 8

TABLE OF SPECIFICATIONS (THEORY)

SUBJECT: BIOCHEMISTRY-I FIRST PROF (PART I) MBBS

Total Marks: 100, No of MCQs: 40, No of SAQs: 8, Total MCQs Marks: 40, Total SAQs Marks: 40, Internal Assessment: 20

- 3.1 Biochemistry of Cell, cell membrane phenomena including receptors and signal transduction - (SAQs: 0MCQs: 2)
- 3.2 Physicochemical principals, pH and Buffers (body fluids and pH regulation) – (SAQs: 0 MCQs: 3)
- 3.3 Chemistry of Carbohydrates - (SAQs: 1 MCQs: 4)
- 3.4 Chemistry of Lipids - (SAQs: 1 MCQs: 5)
- 3.5 Chemistry of amino acids: Plasma Protein including immunoglobulins - (SAQs: 1 MCQs: 5)

- 3.6 Chemistry of nucleotides and nucleic acids - (SAQs: 1MCQs: 3)**
- 3.7 Enzymes - (SAQs: 1MCQs: 5)**
- 3.8 Vitamins - (SAQs: 1MCQs: 5)**
- 3.9 Nutrition - (SAQs: 0MCQs: 2)**
- 3.10 Minerals & trace elements - (SAQs: 1MCQs: 2)**
- 3.11 Heme metabolism, porphyrins, Jaundice,hemoglobin and myoglobin - (SAQs: 1MCQs: 4)**

Total MCQs: 40. TOTAL_SEQ: 8

TABLE OF SPECIFICATIONS (THEORY)
SUBJECT: ANATOMY –Second Prof MBBS

Total Marks: 100, No of MCQs: 40, No of SAQs: 8, Total MCQ Marks: 40, Total SAQ Marks: 40, Internal Assessment: 20

4.1 Gastrointestinal tract - (MCQs: 6SAQs: 2)

- 4.1.1 Gross features of lumbar and sacral vertebrae, mandible, oral cavity, TMJ, muscles of mastication, esophagus, small and large intestine, liver, pancreas, spleen and biliary apparatus
- 4.1.2 Muscles of the anterior abdominal wall, its extensions and modifications
- 4.1.3 Peritoneum of abdominal cavity
- 4.1.4 Neurovascular supply of the abdominal cavity
- 4.1.5 Lymphatic drainage of the abdominal wall
- 4.1.6 Development of: oral cavity, tongue, palate, gastrointestinal tract, liver, pancreas, spleen and biliary apparatus with associated anomalies
- 4.1.7 Microscopic features of salivary glands, tongue, gastrointestinal tract, liver, pancreas and biliary apparatus

4.2 Pelvis/ Reproductive system - (MCQs: 6SAQ: 1)

- 4.2.1 Bony features of the pelvis, pelvis musculature, perineum and its contents
- 4.2.2 Gross features of the male and female reproductive organs
- 4.2.3 Microscopic features of the male and female reproductive organs
- 4.2.4 Development of the male and female reproductive organs

4.3 Urinary system - (MCQs: 6SAQ: 1)

- 4.3.1 Gross features of kidney, ureter, and urinary bladder, male and female urethra
- 4.3.2 Development of kidney, ureter, urinary bladder, male and female urethra
- 4.3.3 Microscopic features of kidney, ureter, urinary bladder, male and female urethra

4.4 Endocrinology - (MCQs: 4SAQ: 1)

- 4.4.1 Gross features of hypothalamus, pituitary gland, pineal gland, thyroid gland, parathyroid gland, adrenal glands, pancreas, testis and ovaries
- 4.4.2 Development of hypothalamus, pituitary gland, pineal gland, thyroid gland, parathyroid gland, adrenal glands, pancreas, testis and ovaries

4.4.3 Microscopic features of hypothalamus, pituitary gland, pineal gland, thyroid gland, parathyroid gland, adrenal glands, pancreas, testis and ovaries

4.5 Head and neck - (MCQs: 7SAQs: 2)

- 4.5.1 Bony feature of skull, mandible and cervical vertebrae
- 4.5.2 Muscles and fascia attached to skull, face and cervical vertebrae
- 4.5.3 Triangles of neck with contents
- 4.5.4 Viscera associated with head and neck
- 4.5.5 Joints of head and neck, TMJ
- 4.5.6 Neurovascular supply of head and neck
- 4.5.7 Lymph nodes and lymphatic drainage of head and neck
- 4.5.8 Development of pharyngeal apparatus and face
- 4.5.9 Gross structure of fossae associated with head and neck

4.6 Nervous system - (MCQs: 9SAQ: 1)

- 4.6.1 Bony features of the vertebral column
- 4.6.2 Gross and cross sectional features of the spinal cord, brain stem, cerebellum and cerebrum
- 4.6.3 Development of spinal cord, fore brain, mid brain and hind brain with associated congenital anomalies
- 4.6.4 Microscopic features of spinal nerves, spinal cord, cerebellum and cerebrum
- 4.6.5 Gross features of ventricular system, meninges, dural venous sinuses diencephalon and limbic system with clinical correlation
- 4.6.6 Nuclei and central connections of cranial nerves with clinical correlates

4.7 Special senses - (MCQs:2SAQ: 0)

- 4.7.1 Gross features of eye, ear, nose and tongue
- 4.7.2 Development of eye, ear, nose and tongue
- 4.7.3 Microscopic features of eye, ear, nose and tongue

Total MCQs: 40. TOTAL_SEQ: 8

TABLE OF SPECIFICATIONS (THEORY)

SUBJECT: PHYSIOLOGY – II FIRST PROF (PART II) MBBS

Total Marks: 100, No of MCQs: 40, No of SAQs: 8, Total MCQs Marks: 40, Total SAQs Marks: 40, Internal Assessment: 20

5.1 GIT - (SAQs: 2MCQs: 4)

- 5.1.1 Different parts of GIT and their function
- 5.1.2 Nervous regulation of GIT
- 5.1.3 GIT secretions (Saliva, Gastric, Pancreatic and biliary)
- 5.1.4 Mastication, swallowing and their regulation
- 5.1.5 GIT motility
- 5.1.6 Hormones of GIT
- 5.1.7 GIT reflexes
- 5.1.8 Vomiting, Defecation and their regulation

5.1.9 Functions of liver and gall bladder

5.1.10 Diseases related to GIT

5.2 CNS-(SAQs: 3MCQs: 10)

5.2.1 General Organization of Nervous System

5.2.2 Properties of Synaptic transmission

5.2.3 CSF (Secretion, composition, circulation and functions)

5.2.4 Classification and types of sensory receptors

5.2.5 Reflex action and reflexes

5.2.6 Muscle spindle and muscle action

5.2.7 Functions of spinal cord and ascending tracts

5.2.8 Mechanism of touch, temperature and pain

5.2.9 Function of cerebral cortex, difference between sensory and motor cortex

5.2.10 Motor pathways including pyramidal and extrapyramidal tracts

5.2.11 Basal ganglia and its functions

5.2.12 Functions of thalamus, hypothalamus and limbic system

5.2.13 Cerebellum, its functions and control of posture and equilibrium

5.2.14 Speech disorders and their representation in the brain

5.2.15 Physiology of Sleep and EEG

5.2.16 Physiology of memory

5.2.17 Types and control of speech

5.2.18 Functions of Autonomic Nervous System

5.2.19 Dermatomes, sensory deficits, and motor deficits to identify local spinal cord lesions, and spinal cord hemi section (Med)

5.3 Special Senses- (SAQs:1MCQs: 6)

5.3.1 Structure and function of eyeball

5.3.2 Phototransduction and visual pathway

5.3.3 Colour vision

5.3.4 Errors of refraction and other eye diseases

5.3.5 Rhodopsin cycle with clinical significances

5.3.6 Physiological anatomy of ear

5.3.7 Physiology of hearing and auditory pathway

5.3.8 Physiology of smell receptors and pathway

5.3.9 Physiology of taste

5.3.10 Olfaction/taste abnormalities

5.4 Kidney and Body Fluids - (SAQs: 1MCQs: 7)

5.4.1 Components and measurement of body fluids and edema

5.4.2 Functional anatomy of nephron

5.4.3 GFR and factors regulating GFR

5.4.4 Renal tubular reabsorption, secretion and excretion

5.4.5 Renal Clearance

5.4.6 Concentration and dilution of urine

5.4.7 Role of kidney in acid base balance

5.4.8 Hormones of kidney

5.4.9 Micturition and its regulation

5.5 Endocrinology - (SAQs: 1 MCQs: 10)

- 5.5.1 General principles (classification, mechanism of action, feedback control)
- 5.5.2 hypothalamichypophysial portal system
- 5.5.3 Hormones secreted by anterior and posterior pituitary and their mechanism of action and function
- 5.5.4 Function of thyroid gland, its hormones and disorders
- 5.5.5 Function of parathyroid gland, its hormones and disorders
- 5.5.6 Calcium metabolism and its regulation
- 5.5.7 Hormones secreted by adrenal cortex and adrenal medulla, their functions and disorders
- 5.5.8 Endocrine functions of pancreas and its role in blood glucose regulation and endocrine diseases
- 5.5.9 Endocrine diseases

5.6 Reproduction - (SAQs: 1 MCQs: 3)

- 5.6.1 Functional anatomy of male reproductive system
- 5.6.2 Spermatogenesis
- 5.6.3 Functional anatomy and physiology of female reproductive system, gonads and oogenesis
- 5.6.4 Menstrual cycleand Menstrual Irregularities
- 5.6.5 Pregnancy(Physiological changes during pregnancy)
- 5.6.6 Parturition
- 5.6.7 Lactation
- 5.6.8 Fetal and neonatal physiology
- 5.6.9 Infertility

5.7 Skin - (SAQs: 0 MCQs: 0)

- 5.7.1 Skin and thermal regulation

Total MCQs: 40. TOTAL_SEQ: 8

TABLE OF SPECIFICATIONS (THEORY)

Subject: BIOCHEMISTRY-II FIRST PROF (PART II) MBBS

Total Marks: 100, No of MCQs: 40, No of SAQs: 8, Total MCQs Marks: 40, Total SAQs Marks: 40, Internal Assessment: 20

- 6.1 Bioenergetics and biologic Oxidation - (SAQs: 1 MCQs: 2)
- 6.2 Carbohydrate Metabolism - (SAQs: 1 MCQs: 5)
- 6.3 Lipid Metabolism - (SAQs: 1 MCQs: 5)
- 6.4 Metabolism of Proteins & Amino acids - (SAQs: 1 MCQs: 5)
- 6.5 Metabolism of purines pyrimidines and Nucleotides. Regulation of gene expression, Genetic diseases and basic techniques used in molecular genetics - (SAQs: 1 MCQs: 3)
- 6.6 Replication of DNA, mutations & DNA repair - (SAQs: 1 MCQs: 2)
- 6.7 Water & electrolyte metabolism and acid base balance - (SAQs: 1 MCQs: 2)

- 6.8 Transcription, RNA processing & protein synthesis - (SAQs: 1 MCQs: 4)
- 6.9 Endocrinology - (SAQs: 0 MCQs: 7)
- 6.10 Biochemistry of digestive juices of GIT, digestion and absorption in GIT - (SAQs: 0 MCQs: 5)

Total MCQs: 40. TOTAL_SEQ: 8

TABLE OF SPECIFICATIONS (THEORY)

Subject: PHARMACOLOGY - Second Prof MBBS

**Total Marks: 150 No. of SEQs: 12, No. of MCQs: 60 Total MCQs Marks: 60, Total SEQs, Marks 60,
Internal Assessment: 30**

7.1 General Pharmacology- (SEQs: 1MCQs: 8)

- 7.1.1 Definition & Branches/ Division s of Pharmacology, objectives of Learning Pharmacology
- 7.1.2 Definition of drug nomenclature, drug nomenclature and sources of drugs
- 7.1.3 Standard sources of drug information, Pharmacopoeias and formularies (only relevant Information)
- 7.1.4 Dosage forms and doses of drugs
- 7.1.5 Pharmacokinetics: Basic Principles and their clinical application
- 7.1.6 Pharmacodynamics
- 7.1.7 Factors modifying action and doses of drugs
- 7.1.8 Pharmacogenetics
- 7.1.9 Adverse drug reactions and drug toxicity/poisoning
- 7.1.10 Drug interactions

7.2 Drug acting on ANS - (SEQs: 1MCQs: 5)

- 7.2.1 Parasympathetic nervous system
- 7.2.2 Sympathetic nervous system
- 7.2.3 Neuromuscular blockers

7.3 Drug acting on CVS & Diuretics - (SEQs: 2MCQs: 7)

- 7.3.1 Antihypertensive drugs
- 7.3.2 Anti anginal drugs
- 7.3.3 Drug management of Congestive Heart Failure and inotropic drugs
- 7.3.4 Antiarrhythmic drugs
- 7.3.5 Diuretics

7.4 Drug acting on blood (SEQs: 1MCQs: 4)

- 7.4.1 Anti-hyperlipidimics
- 7.4.2 Anticoagulants & coagulants
- 7.4.3 Haematinics
- 7.4.4 Thrombolytics
- 7.4.5 Antiplatelets drugs

7.5 Drug acting on GIT Misc. topics - (SEQs: 1MCQs: 4)

- 7.5.1 Drugs used in Acid peptic Disease
- 7.5.2 Anti-emetics
- 7.5.3 Purgatives
- 7.5.4 Anti-diarrheals

7.6 Drug acting on CNS (SEQs: 2MCQs: 8)

- 7.6.1 Sedative/Hypnotics
- 7.6.2 Anti-Epileptics
- 7.6.3 General Anesthetics
- 7.6.4 Local Anesthetics
- 7.6.5 Drug for movement Disorder/Muscle Relaxant
- 7.6.6 Alcohol
- 7.6.7 Drugs for migraines
- 7.6.8 Simulants of the CNS (Caffeine, Theophylline, and Theobromine) (Brain stem stimulants: Picrotoxin, Nikethamide), (Ethamivan, Doxopram) (Spinal Cord Stimulants: Strychnine)
- 7.6.9 Psychopharmacology (Antipsychotics, Anti-Depressant/Anti Mania Drugs, Drugs of abuse)

7.7 Opioids, Anti gout Drugs, Anti rheumatoid drugs - (SEQs: 0MCQs: 5)

- 7.7.1 NSAIDs
- 7.7.2 DMARDs
- 7.7.3 Anti-gout drugs
- 7.7.4 Opioids

7.8 Chemotherapy - (SEQs: 2MCQs: 9)

- 7.8.1 Introduction to chemotherapy
- 7.8.2 Antifungal, & Ant helminthics
- 7.8.3 Antimicrobial acting on cell wall
- 7.8.4 Protein synthesis inhibitors
- 7.8.5 Nucleic acid synthesis inhibitors
- 7.8.6 Anti -mycobacterial drug
- 7.8.7 Antiviral drug
- 7.8.8 Anti protozoal drugs, Anti-malarial & Anti- amoebic drugs
- 7.8.9 Chemotherapy for sexually Transmitted Disease (STD's)
- 7.8.10 Cancer chemotherapy: Principle and general consideration, treatment approach in some common malignancies

7.9 Drugs acting on Endocrine - (SEQs: 1MCQs: 5)

- 7.9.1 Pituitary-Hypothalamic drugs
- 7.9.2 Drugs Acting on Thyroid/Parathyroid
- 7.9.3 Adrenocorticoids
- 7.9.4 Sex Hormones
- 7.9.5 Pancreatic Hormones & Oral anti diabetic drugs
- 7.9.6 Oral contraceptives & Anabolic steroids
- 7.9.7 Drugs used in Osteoporosis

7.10 Drugs acting on Respiratory System, Autacoids - (SEQs: 1MCQs: 5)

- 7.10.1 Drugs used in Bronchial Asthma, Antitussives & Mucolytic agents, Expectorants
- 7.10.2 Histamine and Antihistamines
- 7.10.3 Introduction to other Mediators (Eicosanoids, Serotonin, Substance P, Bradykinin)

Total MCQs: 60. TOTAL_SEQ: 12

TABLE OF SPECIFICATIONS (THEORY)

SUBJECT: GENERAL PATHOLOGY SECOND PROFESSIONAL MBBS

Total Marks: 150 No of MCQs: 60, No of SAQs: 12, Total MCQs Marks: 60 Total SAQs Marks: 60, Internal Assessments: 30

8.1 Cellular, Responses to Stress and Toxic Insults Adaption, Injury, and Death -(SAQs: 1MCQs: 5)

- 8.1.1. Necrosis , Ischemia, Hypoxia ,Infarction And Gangrene Oncosis And Autolysis
- 8.1.2. Sequence of the Ultrasound and Biochemical Changes Which Occur in the Cell in Response To (ischemia, immunological injury, physical agents, genetic defects, nutritional deficiency, infectious agents, viruses, bacteria, fungi, parasites, nutritional deficiency).
- 8.1.3. Irreversible and reversible injury
- 8.1.4. critical mechanism in cell injury(especially with reference to ATP, mitochondria, calcium ions & cell membrane, role of free radicals,reperfusion injury)
- 8.1.5. Apoptosis and its significance
- 8.1.6. Exogenous and endogenous pigment deposition
- 8.1.7. Dystrophic and metastatic calcification along with clinical significance
- 8.1.8. metabolic disorder (Lipid disorder,steatosis of liver,hyperlipidemia,protein disorders, Carbohydrate disorders)
- 8.1.9. Adaptation to cell injury, atrophy ,hypertrophy,hyperplasia,metaplasia
- 8.1.10. The necrosis and its types
- 8.1.11. Pattern of necrosis, the mechanism, characteristic gross and microscopic findings
- 8.1.12. The gangrene and its pathological mechanism
- 8.1.13. intracellular accumulations
- 8.1.14. Hyaline changes

8.2 Acute and Chronic Inflammation -(SAQs: 1MCQs: 5)

- 8.2.1. Role of inflammation in the defense mechanism of the body
- 8.2.2. Vascular changes of acute inflammation and their relation to morphological and tissue effects

- 8.2.3. Process of chemotaxis , Opsonization and phagocytosis
- 8.2.4. Role of cellular components in inflammatory exudates
- 8.2.5. Exudate transudates
- 8.2.6. important chemical mediators of inflammation
- 8.2.7. Pathway of Arachidonic Acid metabolism
- 8.2.8. Role of products of Arachidonic acid metabolism in inflammation
- 8.2.9. Mechanism for development of fever , with reference to exogenous and endogenous pyrogens
- 8.2.10. Chronic inflammation including Granulomas
- 8.2.11. Granuloma and its types along with causes
- 8.2.12. Systemic effects of acute and chronic inflammation and their possible outcomes
- 8.2.13. Significance of ESR

8.3 Hemodynamic Disorders, Thrombotic Disease, and Shock-(SAQs: 1MCQs: 4)

- 8.3.1. Hyperemia and congestion
- 8.3.2. Hemorrhage
- 8.3.3. Thrombosis and its pathogenesis
- 8.3.4. Possible consequences of thrombosis
- 8.3.5. Define emboli and classify according to their composition
- 8.3.6. Define infarction and its types and morphology
- 8.3.7. Definition of edema ,ascites hydrothorax and anasarca
- 8.3.8. Define shocks and pathogenesis of its types
- 8.3.9. Compensatory mechanism involved in shock

8.4 Genetic Disorder and Tissue Repair -(SAQs: 1MCQs: 4)

- 8.4.1. Common sex linked, autosomal recessive and autosomal dominant disorders (Mendelian disorders)
- 8.4.2. Common genetic mutations
- 8.4.3. Diseases associated with consanguineous marriages
- 8.4.4. Complex Multigenic disorders, chromosomal disorders, cytogenetic disorders involving autosomes/sex chromosomes
- 8.4.5. single gene disorders with non classic inheritance
- 8.4.6. Molecular biology techniques /Diagnosis of disorders
- 8.4.7. Repair and regeneration
- 8.4.8. Wound healing by 1st and 2nd intention.
- 8.4.9. Factors that influence reparative response
- 8.4.10. Complications of wound healing /pathologic aspects of repair
- 8.4.11. formation of granulation tissue

8.5 Diseases of the Immune System -(SAQs: 1MCQs: 5)

- 8.5.1. Differentiate between antigen, antibody, epitope ,hapten and adhesion molecules
- 8.5.2. Differentiate between innate and required immunity
- 8.5.3. the structure and function of major Histocompatibility complex (MHC)
- 8.5.4. Cytokines
- 8.5.5. Mechanism of humoral and cellular (cell mediated) immunity
- 8.5.6. Hypersensitivity reactions, type i, type ii ,type iii and type iv
- 8.5.7. Auto graft, homograft, allograft and xenograft
- 8.5.8. Immunotolerance (Central and peripheral mechanism its significances) and immunoparalysis

- 8.5.9. Mechanism involved in allograft rejection and steps that can be taken to combat rejection
- 8.5.10. Basis of auto immunity/Breakdown of tolerance
- 8.5.11. Non organ specific auto immune diseases (RA,SLE,Progressive Systemic, Sclerosis, Dermatomyositis / Polymyositis, mixed connective tissue diseases
- 8.5.12. Lab diagnosis of autoimmune diseases
- 8.5.13. Classification of immune deficiency disorder
- 8.5.14. Common immune deficiency disorders
- 8.5.15. Pathogenesis of AIDS
- 8.5.16. Amyloidosis-Pathogenesis, classification

8.6 Neoplasia – (SAQs: 1MCQs: 7)

- 8.6.1. Nomenclature of tumors along with biology of tumors
- 8.6.2. Characteristics of benign and malignant tumors and pathways of spread of tumors
- 8.6.3. Differences between carcinoma and sarcoma
- 8.6.4. Epidemiology of cancers including genetic, geographic and environmental factors
- 8.6.5. Epidemiology of common cancers in Pakistan
- 8.6.6. Molecular basis of cancer (fundamental principles, essential alteration for malignant transformation, proto oncogene, oncogenes and apoptosis regulatory genes in carcinogenesis with their mode of activation and with common human tumors)
- 8.6.7. Carcinogenesis (chemical carcinogenic agents, radiations carcinogenesis, microbial carcinogenesis (viruses, bacteria, fungi, parasites)
- 8.6.8. Host defense against tumors (anti tumor effector mechanism, immune surveillance and syndromes Escape)
- 8.6.9. Clinical aspects of Neoplasia (Local & Systemic effect), Cachexia, Paraneoplastic syndrome
- 8.6.10. Grading & Staging of tumors & their clinical significance
- 8.6.11. Tumor markers, their use in the diagnosis & management of cancers
- 8.6.12. Cancer screening / Laboratory diagnosis of cancer

8.7 General Bacteriology - (SAQs: 1MCQs: 4)

- 8.7.1. Defense mechanism of the body / Normal flora of body
- 8.7.2. Microbial mechanism of invasion & virulence & growth curve
- 8.7.3. Difference between disinfection & Sterilization
- 8.7.4. Appropriate methods of disinfection & Sterilization(Spillage: Blood & Body Fluids) (Equipment & Items: (Critical item- Surgical instruments,sutures, bandages, surgical dressing etc) (Semi critical Items: Endoscopes, Laryngoscopes, Vaginal speculum, Proctoscope, Thermometer , Nasal & Ear specula etc)(Non Critical Items: Bed linen, floor blood pressure apparatus , bed rail)
- 8.7.5. Principles of aseptic techniques for venepuncture, suturing & Lumbar puncture
- 8.7.6. Universal precautions for infection control
- 8.7.7. Principles of proper collection & submission of specimens for laboratory investigations
- 8.7.8. General Principles of these serological test (Precipitation (VDRL), Agglutination (Latex particle) & Haemoagglutination test (TPHA), Immunofluorescent (FTA), ELISA (Hepatitis A,B,C,D,E) ,Rubella, CMV, HIV Western blot for HIV , ICT(Hepatitis B,C) Malaria
- 8.7.9. Interpretation of culture reports, serological reports & Microscopic reports of Gram & ZN stain

- 8.7.10. Classification of microorganisms, General characteristics & Taxonomy of Bacteria, Rickettsia, Chlamydia, Viruses & Fungi
- 8.7.11. Definition of communicable ,endemic, epidemic & pandemic diseases, carriers, Pathogens, Opportunists, commensals & colonizers
- 8.7.12. Principle of antimicrobial action (definitions: Antibiotic, selective luxicity, bacteriostatic & bactericidal) (Host determinants in relation to selection of an antimicrobial drug for therapy) (minimum bactericidal concentration (MBC)) (Bacterial resistance and its mechanisms involved in acquired bacterial resistance) (Mechanism involve in transfer of drug resistance to bacterial resistance) (Mode of action of various antimicrobial drugs)(cross resistance)(super infection)

8.8 Special Bacteriology Concept except Mycobacterium-(SAQs:3MCQs:8)

- 8.8.1 Microorganisms involve in infections for the following organ system(central Nervous System)(Respiratory System)Gastrointestinal system)(Genital system)(Urinary System)(Infection of the bone and joints)(Systemic Infection)(Infection of the skin)(Hepatobiliary and Pancreatic Infections)(Zoonosis)
- 8.8.2 Pathogenesis,Treatment,Epidemiology Prevention & Control of these organisms(Gram Positive cocci(Staph aureus), Streptpaeumoneae ,Beta hemolytic streptococcus Group A&B)(Gram negative cocci (Neisserigonorrhoeae, neisserimeningitidis))(Gram Positive Bacilli(Non spore forming)(Diphtheria sp, Actinomyeosis, Neocardia))(Gram positive Bacilli(spore forming)(bacillus sp clostridium sp))(Gram Negative Bacilli(Enterobacteriaceae)(E.coli,Klissiella,proteus,salmonella,shigella)Gram Negative Bacilli(pseudomona))(Gram negative Rods(comma shaped),vibrio cholera,Vibrio prahaemolytiens,compylobacterjejuni,Helicobacter pylori)(Gram Negative cocci Bacilli Haemophilus influenza ebordetellaesp,)(Gram Negative rods (Yersinia pestis,Legionella,Pneumophilia,Garnerellavatinalis)(spirochetes,Treponome pallidiu,Leptospirrh)(Mycoplasmapneumoniae)(chalamydiae)(rickettsia sp)

8.9 Mycobacterium-(SAQs: 0MCQS: 3)

- 8.9.1. Mycobacterium tuberculosis
- 8.9.2. Mycobacterium leprae
- 8.9.3. Other Mycobacteria

8.10 Mycology (Fungi) -(SAQs:0MCQs: 3)

- 8.10.1 General properties and classification of fungi
- 8.10.2 Superficial mycoses
- 8.10.3 Cutaneous mycoses
- 8.10.4 Subcutaneous mycoses
- 8.10.5 Opportunisticmycoses
- 8.10.6 Lab diagnosis of fungal infections

8.11 Virology-(SAQs: 1MCQs: 5)

- 8.11.1 Munmps
- 8.11.2 Herpes
- 8.11.3 Measles
- 8.11.4 Influenza
- 8.11.5 Para influenza

- 8.11.6 RSV
- 8.11.7 Hepatitis A, B, C, D, E
- 8.11.8 Rota
- 8.11.9 CMV
- 8.11.10 EBV
- 8.11.11 Rubella
- 8.11.12 Chicken pox
- 8.11.13 HIV
- 8.11.14 Rabies
- 8.11.15 Polio
- 8.11.16 Dengue

8.12 Parasitology-(SAQs: 1MCQs: 5)

- 8.12.1 Protozoa(Plasmodium sp, Giardia lamblia, Entamoebahistolytica, leishmania sp, Trichomonavaginalis, Toxoplasma gondii, pneumocytis Carnii, Trypanosoma, Balantidium coli)
- 8.12.2 Cestodes(Taeniasp, Echinococcus sp, Hymenolepsis nana, diphyllobothrium latum)
- 8.12.3 Nematodes (Filariasp, Ascaris lumricoides, Ancylostoma duodenale, Enterobius vermicularis, Trichuris trichiura, Trichinella spiralis, Strongyloides stercoralis, Loa Loa)
- 8.12.4 Trematodes(schistoma(Haematobium, manseric, japonicum))

8.13 Environmental diseases & child hood diseases-(SAQs: 0MCQs: 2)

- 8.13.1 Occupational, zoonotic diseases(Air & water Pollution, radiation, chemicals, nutritional disease)
- 8.13.2 Neonatal and perinatal infections, ABO incompatibility, metabolic diseases acute respiratory distress syndrome, childhood tumors, syndrome and congenital disorder

TABLE OF SPECIFICATIONS (THEORY)

Subject: FORENSIC MEDICINE - SECOND PROF MBBS

Total Marks: 100 No of MCQs: 40, No of SAQs: 8, Total MCQs Marks: 40 Total SAQs Marks: 40,

Internal Assessments: 20

9.1 Pakistan's Legal System (SEQs 1 MCQ:5)

- 9.1.1 Pakistan's Legal System
- 9.1.2 Law in relation of medical man
- 9.1.3 Legal aspects of medicine, consent, Negligence, ethics etc.

9.2 Thanatology – (SEQs:1 MCQs: 3)

- 9.2.1 General Thanatology
- 9.2.2 PME, Exhumation
- 9.2.4 PM changes
- 9.2.5 To write a certificate of death according to WHO guidelines

9.3 Traumatology – (SEQ:1 MCQ: 5)

- 9.3.1 General Traumatology

- 9.3.2 Traumatology including firearm injuries, transportation injuries
- 9.3.3 Thermal injuries, electrical injuries, chemical injuries etc
- 9.3.4 Regional injuries

9.4 Asphyxial deaths (SEQ:1 MCQs: 3)

- 9.4.1 Deaths from asphyxia (Pathogenesis & autopsy procedure in a case of deaths from asphyxia)
- 9.4.2 Violent asphyxia deaths
- 9.4.3 Drowning

9.5 Personal identity, Examination of Biological stains (Trace evidence & Forensic Sciences). (SEQs: 1 MCQs:7)

- 9.5.1 Personal identification
- 9.5.2 Trace Evidence
- 9.5.3 Biological Specimens
- 9.5.4 Forensic Sciences - DNA, Finger printing

9.6 Forensic Sexology, Forensic Psychiatry – (SEQs: 1 MCQs: 4)

- 9.6.1 Virginity, Pregnancy & Criminal Processes during delivery, their medicolegal aspects,
Examination procedure & reporting
- 9.6.2 Natural & unnatural sexual offences, Medical examination of victim & assailant collection of specific specimens & writing a required certification
- 9.6.3 Common sexual perversions: recognition & its medicolegal aspects
- 9.6.4 Miscarriage / Abortion (Therapeutics & criminal), Medicolegal aspects applicable to Miscarriage, examining mother & aborted material
- 9.6.5 Infanticide & criminal & non accidental violence or abuse to a new born, infant & child
- 9.6.6 Forensic Psychiatry: To diagnose mental illness, To distinguish between true & feigned insanity, To Advise on procedures of restraint to the mentally ill, Limitation of civil & criminal responsibilities of Mentally ill

9.7 Toxicology - (SEQs: 2 MCQs: 13)

- 9.7.1 General Toxicology (Definitions, classification, routes, absorption, excretion of poisons) Diagnosis of poisoning in living or dead) (Management of a case of poisoning) (Duties of A medico-legal officer to deal with a case of poisoning) (Chronic industrial poisoning, Assessment & compensation with community medicine)
- 9.7.2 specific poisoning: Poisons/Drugs of abuse prevailing in our society along with medicolegal aspects (Alcohol, Opiates, & other narcotics, Salicylates & Paracetamol, Hypnotics & Sedatives, Stimulants (Cocaine), Cannabis. Poisonous plants (aconite, belladonna, Hyoscyamus, digitals, ergot, nux vomica, oleander, tobacco). Animal Poisons (Snakes Cantharides, Scorpions) Mechanical poisons, Food poisoning, Inorganic elements : antimony, arsenic, lead, mercury,

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Phosphorus. Volatile poisons & corrosives (carbon monoxide hydrocarbons, sulphuric acid, carbolic acid & Alkalies, Pesticides, herbicides & insecticides.

9.7.3 Autopsy technique with collection, preservation & dispatch of biological material to Analytical laboratory

Total MCQs: 40. TOTAL_SEQ: 8

TABLE OF SPECIFICATIONS (THEORY)

SUBJECT: SPECIAL PATHOLOGY THIRD PROFESSIONAL MBBS

Total Marks: 150 No of MCQs: 60, No of SAQs: 12, Total MCQs Marks: 60 Total SAQs Marks: 60, Internal Assessments: 30

10.1 Cardiovascular System - (SAQs: 1MCQs: 5)

- 10.1.1 Atherosclerosis
- 10.1.2 Arteriosclerorosis
- 10.1.3 Hypertension
- 10.1.4 Common pathogenic mechanisms of vasculitis
- 10.1.5 Aortic Dissection
- 10.1.6 Atherosclerotic aneurysm
- 10.1.7 Varicose veins
- 10.1.8 Benign and malignant tumors of blood vessels
- 10.1.9 Pathogenesis of ischemic heart diseases
- 10.1.10 Myocardial infarction clinical features and complications
- 10.1.11 Causes of sudden cardiac death
- 10.1.12 Cor – Pulmonale
- 10.1.13 Bacterial Endocarditis
- 10.1.14 Myocarditis
- 10.1.15 Morphological and clinical features of myocarditis
- 10.1.16 Cardiomyopathy
- 10.1.17 Pericarditis
- 10.1.18 Primary and secondary cardiac tumours
- 10.1.19 Congenital heart diseases

10.2 Haematopoietic& Lymphoid system - (SAQs: 1MCQs: 5)

- 10.2.1 Stages In the formation of red blood cell and white blood cells
- 10.2.2 Red cell indices-normal cell counts
- 10.2.3 Anemia definition and types
- 10.2.4 Etiology, blood picture, clinical features and lab diagnosis of anemias
- 10.2.5 Hereditary spherocytosis
- 10.2.6 Thalassemia
- 10.2.7 Hemolytic anemia
- 10.2.8 Glucose – 6- phosphate dehydrogenase deficiency
- 10.2.9 immune hemolytic anemia

- 10.2.10 Warm and cold antibodies immune hemolytic anemias
- 10.2.11 Aplastic anemia
- 10.2.12 Neutropenia
- 10.2.13 Agranulocytosis
- 10.2.14 Leukocytosis
- 10.2.15 Infectious mononucleosis
- 10.2.16 Acute and chronic nonspecific lymphadenitis
- 10.2.17 Non – Hodgkin's lymphoma
- 10.2.18 Classification (renal and working formulations)
- 10.2.19 Hodgkin's disease
- 10.2.20 Leukemia
 - 10.2.21 Prognostic factors of acute lymphoblastic and acute myeloblastic leukemia
 - 10.2.22 Pathophysiology of chronic myeloid and acute lymphocytic leukemias
 - 10.2.23 Multiple myeloma
 - 10.2.24 Disseminated intravascular coagulation
 - 10.2.25 Causes of decreased production and decreased survival of platelets
 - 10.2.26 Idiopathic & thrombotic thrombocytopenic purpura
 - 10.2.27 Laboratory assessment of bleeding disorders
 - 10.2.28 Polycythemia/Myeloproliferative disorders
 - 10.2.29 ABO and Rhesus blood groups
 - 10.2.30 Screening of Donors
 - 10.2.31 Hazards of blood transfusion and their prevention

10.3 Respiratory System – (SAQs: 1 MCQs: 5)

- 10.3.1 Micro-organism causing upper respiratory tract infection
- 10.3.2 Etiology and clinical features (Rhinitis, Nasal polyps, acute tonsillitis, acute bacterial epiglottitis, acute laryngitis, Pleural effusion, Hemothorax, Hydrothorax, Pleuritis, Pneumothorax, Chylothorax)
- 10.3.3 Malignant & benign tumours of nasopharynx and larynx
- 10.3.4 Atelactasis
- 10.3.5 Restrictive & obstructive lung disease
- 10.3.6 Etiology pathogenesis, morphology & clinical features of (Asthma, various types of emphysema, chronic bronchitis, Bronchiectasis, Adult respiratory distress syndrome, Restrictive lung disease, Sarcoidosis, hypersensitivity pneumonitis, idiopathic pulmonary fibrosis, Good pasture syndrome, Thromboemboli, Pulmonary infarction, Pulmonary hypertension and vascular sclerosis)
- 10.3.7 Acute bacterial pneumonia
- 10.3.8 Atypical pneumonia
- 10.3.9 Etiology, pathogenesis & clinical features of (Tuberculosis of lung, Pneumoconiosis)
- 10.3.10 Fungi causing lung infections
- 10.3.11 Bronchogenic carcinoma and mesothelioma

10.4 Oral Cavity & Gastrointestinal Tract – (SAQs: 2MCQs: 7)

- 10.4.1 Oral cavity-pre cancerous lesions and squamous cell carcinoma of oral cavity.
- 10.4.2 Diseases of salivary glands
- 10.4.3 Oesophagus- Esophagitis, Barrett's esophagus, carcinoma
- 10.4.4 Stomach – GERD, gastritis, peptic ulcer, carcinoma
- 10.4.5 Intestines- Malabsorption and diarrhea, inflammatory bowel disease, polyps, adenocarcinoma, appendicitis.

10.5 Hepatobiliary System – (SAQs: 1MCQs: 5)

- 10.5.1 Liver- viral hepatitis, liver abscess, cirrhosis and carcinoma.
- 10.5.2 Biliary Tract- jaundice, obstruction, carcinoma.
- 10.5.3 Pancreas- acute and chronic pancreatitis, adenocarcinoma.

10.6 Urinary System - (SAQs: 1MCQs: 5)

- 10.6.1 Etiology, Pathogenesis, Clinical features and complications of (Azotemia, Uremia, Acute renal failure, Chronic renal failure, Polycystic kidney disease, Glomerulonephritis, Nephrotic and Nephritic syndrome, Acute pyelonephritis, Chronic pyelonephritis, Hydronephrosis)
- 10.6.2 Pathogenesis and clinical course of acute tubular necrosis
- 10.6.3 Benign and malignant nephrosclerosis
- 10.6.4 Characteristics of various types of renal stones
- 10.6.5 Pathogenesis, clinical features and lab diagnosis of nephrolithiasis
- 10.6.6 Epidemiology, morphology, clinical features of prognosis of Wilms' tumour
- 10.6.7 Classification, epidemiology, morphology, clinical features and prognosis of renal cell carcinoma
- 10.6.8 Etiology, morphology & clinical features of cystitis
- 10.6.9 Clinical features, etiology and morphology of transitional cell carcinoma of the urinary bladder

10.7 Male Genital System – (SAQs: 1MCQs: 4)

- 10.7.1 Hypospadias and other congenital anomalies
- 10.7.2 Undescended testis
- 10.7.3 Urethritis, (Gonococcal, Non Gonococcal)
- 10.7.4 Etiology, Pathogenesis and natural history of (Prostatitis, Prostatic hyperplasia)
- 10.7.5 Causes, Pathogenesis and Clinical features of Scrotal swelling
- 10.7.6 Causes, Pathogenesis and relevant investigations of male infertility
- 10.7.7 Classification Pathogenesis morphology, clinical features and prognosis of the tumours of male genital tract (Prostate, Testes)

10.8 Female Genital System –(SAQs: 1MCQs: 4)

- 10.8.1 Causes, routes of infection and diagnosis of sexually transmitted diseases
- 10.8.2 Route of infection, Pathogenesis and lab diagnosis of (Gonorrhoea, Syphilis, Chlamydia, HPV, Herpes simplex, Trichomoniasis)
- 10.8.3 Cervical intraepithelial neoplasia
- 10.8.4 Neoplasms of cervix

- 10.8.5 Causes, Pathogenesis and Clinical features of PCO's, dysfunctional uterine bleeding with special reference to endometrial hyperplasia,endometrial polyp and carcinoma
- 10.8.6 Causes, Pathogenesis and Clinical features of (Adenomyosis , Endometriosis, Ectopic pregnancy, Toxemia Pregnancy)
- 10.8.7 Classification,Pathogenesis, morphology, clinical features and prognosis of the tumors of female genital tract

10.9 Breast – (SAQs: 1MCQs: 4)

- 10.9.1 Etiology and causes of lump in the breast
- 10.9.2 Etiology, Pathogenesis, Morphology and clinical features of (Mastitis, Fibrocystic disease of the breast and Intraductalpapiloma)
- 10.9.3 Benign tumours of the breast
- 10.9.4 Gynaecomasia
- 10.9.5 Carcinomas of the breast

10.10 Endocrinology –(SAQs: 1 MCQs: 4)

- 10.10.1 Pituitary – Pituitry adenomas and hyperpituitarism, hypopituitarism, posterior pituitary syndromes.
- 10.10.2 Adrenal Cortex -- hyperadrenalinism,adrenocortical insufficiency,adrenal neoplasms.
- 10.10.3 Parathyroid- hyper and hypoparathyroidism.
- 10.10.4 Thyroid - Goitre, hyper and hypothyroidism, Graves' disease, thyroiditis, carcinoma.
- 10.10.5 Endocrine Pancreas – Diabetes mellitus.

10.11 Musculoskeletal System, Bones & Joints –(SAQs: 1MCQs: 5)

- 10.11.1 Pathogenesis and clinical features of (Achondroplasia, Osteogenesis imperfect and Osteoporosis)
- 10.11.2 Acute and chronic osteomyelitis
- 10.11.3 Common sites involved in tuberculousostemyelitis
- 10.11.4 Pathogenesis, morphological and clinical features of paget's disease
- 10.11.5 Benign and malignant bone forming tumours
- 10.11.6 Common sites, morphological and clinical features of osteogenic sarcoma
- 10.11.7 Chondrosarcoma
- 10.11.8 Most frequent sites, clinical and morphological features of giant cell tumours of bone
- 10.11.9 Ewing's sarcoma Pathogenesis, morphological and clinical features of osteoarthritis
- 10.11.10 Rheumatoid arthritis
- 10.11.11 Gout
- 10.11.12 Pathogenesis, morphological and clinical features of (Duchenne muscular dystrophy, myotonic
- 10.11.13 Myopathies, congenital myopathies, inflammatory myopathies and Myasthenia gravis)

- 10.11.14 Lipoma and liposarcoma
- 10.11.15 Rhabdomyosarcoma

10.12 Central Nervous System - (SAQs: 0 MCQs: 2)

- 10.12.1 Clinico-pathological features of hydrocephalus
- 10.12.2 Cerebral edema
- 10.12.3 Types of herniation of brain and their clinical significance
- 10.12.4 Cerebrovascular diseases
- 10.12.5 Clinico-pathological features of GuillainBarre syndrome
- 10.12.6 Polyneuropathies
- 10.12.7 Toxic neuropathy
- 10.12.8 Important intracranial tumours
- 10.12.9 Clinical significance of glial tumours
- 10.12.10 frequent metastatic tumours to the brain
- 10.12.11 Primary peripheral nerve sheath neoplasms
- 10.12.12 Neurodegenerative/ demyelinating disorders
- 10.12.13 CNS infections

10.13 Clinical Chemistry - (SAQs: 0 MCQs: 3)

- 10.13.1 Introduction to chemical pathology: reference ranges conventional & SI units
- 10.13.2 Biochemical markers of IHD & their interpretation
- 10.13.3 Renal function tests: causes of proteinuria & its laboratory diagnosis
- 10.13.4 Lab diagnosis of acid base disorders
- 10.13.5 Lab diagnosis of Diabetes mellitus
- 10.13.6 Liver function test & its clinical interpretation
- 10.13.7 Lab diagnosis of hyperlipidaemia & its clinical interpretation
- 10.13.8 Role of enzymes in diagnosis of pancreatitis & clinical interpretations
- 10.13.9 Lab diagnosis of inborn error of metabolism Lab diagnosis/investigation & their Interpretation of endocrine disorders (Thyroid function test)
- 10.13.10 Adrenal function test, lab diagnosis hyper & hypoparathyroidism, role of hormone Estimation in diagnosis of infertility (male/female), role of hormone estimation in diagnosis of growth disorders, pituitary function Tests

10.14 Skin- (SAQs: 0 MCQs: 2)

- 10.14.1 Macule, papule, nodule, vesicle, bulla, blister, pustule, scale, lichenification, excoriation, hyperkeratosis, parakeratosis, acanthosis, dyskeratosis, acantholysis, papillomatosis, lentiginous and spongiosis
- 10.14.2 Morphological and clinical features of urticarial and inflammatory dermatoses
- 10.14.3 Premalignant epithelial lesions
- 10.14.4 Types of warts and their most frequent locations
- 10.14.5 Predisposing factors, morphology, clinical features and prognosis of (squamous cell carcinoma and basal cell carcinoma)
- 10.14.6 Types, clinical and morphological features of (Nevocellular Nevi, Dysplastic Nevi)

10.14.7 Malignant melanoma (classification, frequent site of origin, clinical and morphological features)

Total MCQs: 60. TOTAL_SEQ: 12

TABLE OF SPECIFICATIONS (THEORY)

SUBJECT: COMMUNITY MEDICINE THIRD PROFESSIONAL MBBS

Total Marks: 150 No of MCQs: 60, No of SAQS: 12, Total MCQs Marks: 60 Total SAQs Marks: 60, Internal Assessments: 30

11.1 Concept of Health and Disease - (MCQs:3SAQs:1)

11.1.1 Introduction to public Health

11.1.2 International Health

11.1.3 Health and disease

- a. Definitions of health diseases
- b. Levels of prevention
- c. McKeown's concept
- d. Iceberg of disease

11.1.4 Rural and urban health

- a. Health care systems

11.2 Research Methodology - (MCQs: 9 SAQs: 2)

11.2.1 Research Epidemiology / Methodology

- a. Epidemiological triangle
- b. Epidemiological methods
- c. Screening
- d. Sampling
- e. Study designs
- f. Hypothesis testing

11.2.2 Biostatistics

- a. Normal distribution
- b. Types of data
- c. Chi square test

11.3 Prevention & Control of Infection - (MCQs: 7 SAQs: 2)

11.3.1 Dynamics of infectious Disease transmission

11.3.2 Control of Infection and Unsafe injection

11.3.3 Epidemiology, Screening, Control and Prevention of infectious disease of Public Health importance

- a. Communicable diseases
- b. Leprosy
- c. Tuberculosis
- d. Malaria
- e. Dengue fever
- f. Leishmaniasis
- g. Yellow fever
- h. Plague
- i. Typhoid
- j. Cholera

- k. Dysentery
- l. Polio
- m. Chicken pox
- n. Measles
- o. Mumps
- p. Rubella
- q. Influenza
- r. STDs (AIDS, Syphilis and Gonorrhea)

11.3.4 Integrated management of childhood illness

- a. ARI
- b. Diarrhea
- c. Fever

11.4 Epidemiology, Control and Prevention of Non-Infectious Disease Of Public Health

Importance (MCQs: 3 SAQs: 1)

11.4.1 Coronary disease (CHD, Preventive cardiology, Hypertension)

11.4.2 Cancer

11.4.3 Diabetes

11.4.4 Obesity

11.4.5 Rheumatic fever and heart disease

11.5 Demography and Population Dynamics- (MCQs: 8 SAQs: 1)

11.5.1 Concepts demography principal and demography processes

11.5.2 Census, definition, Methodology types

11.5.3 Determination of fertility, mortality

11.5.4 Pyramid and its interpretation4 Population

11.5.5 Demography, transitions, demography trap and its public Health importance

11.5.6 Demography and social implication of high population growth

11.5.7 Social mobilization

11.5.8 Urbanization

11.5.9 Management information system

11.6 Food, Nutrition & Health - (MCQs: 3 SAQs: 1)

11.6.1 Concepts

11.6.2 Food groups and their function

11.6.3 Role of Fiber in diet

11.6.4 Balance diet

11.6.5 Malnutrition

11.7 Reproductive Child Health & Family planning - (MCQs: 4 SAQs: 1)

11.7.1 Safe mother hood and it components

11.7.2 Maternal Mortality and its causes and prevention

11.7.3 Infant care

11.7.4 Child care

11.7.5 Adolescent health & family planning

11.7.6 Reproductive tract infections: guideline for management of sexually transmitted disease.

11.7.7 Anthropometry

11.7.8 Breast feeding

11.8 Health of School Age Children - (MCQs: 1 SAQs: 0)

11.8.1 (School health services)

11.9 Environmental Health Sciences- (MCQs: 5 SAQs: 1)

11.9.1 Environmental sciences

11.9.2 Arthropods /Parasitological and their public health importance

11.9.3 Environmental hazards

a. Global warming

b. Urbanization

11.9.4 Community water supply

a. Methods of water purification

b. Well disinfection

c. Bacteriological testing of water

11.9.5 Disposal of waste

a. Disposal of human excreta

b. Water carriage system

11.9.6 Hospital and biomedical waste management

a. Types of waste

b. Waste disposal

11.9.7 Housing and health

11.9.8 Injuries and accidents

11.9.9 Tobacco and health

11.10 Occupational Health - (MCQs: 3 SAQs: 1)

11.10.1 Concepts of occupational health, occupational medicine, occupational hygiene and Ergonomics and its importance

11.10.2 Occupational hazards, principal of control

11.10.3 General Principal of occupational disease prevention

11.10.4 Organization of occupational health services

11.10.5 Health insurance and social security schemes labor laws

11.11 Disaster Management – (MCQs: 3 SAQs: 0)

11.11.1 Definition and classification

11.11.2 Epidemiology of communicable disease, manmade disaster

11.11.3 Accident, thermo nuclear warfare, cases of prevention

11.11.4 Magnitude and effects of disease and public health consequences

11.11.5 Disaster, Preparedness and management

11.12 Health Planning and Management - (MCQs: 6 SAQs: 0)

11.12.1 Hospital management information systems

11.12.2 Health planning, information and communication

- 11.12.3 Geriatrics and Substance Abuse
- 11.12.4 Mental Health and behavior sciences
- 11.12.5 Management information system
- 11.12.6 Health education and communication
- 11.12.7 Suicide
- 11.12.8 Snake bite

11.13 Health System - (MCQs: 5 SAQs: 1)

- 11.13.1 The role Federal and Province governments in Health care
- 11.13.2 The district health system .in the context of devolution
- 11.13.3 The physician as a manager
- 11.14.4 Function of manager, management of maternal, human and financial resources
- 11.13.5 Leadership and motivation
- 11.13.6 Hospital administration
- 11.13.7 Primary health care

Total MCQs: 60. TOTAL_SEQ: 12

TABLE OF SPECIFICATIONS (THEORY)

SUBJECT: EYE THIRD PROFESSIONAL MBBS

Total Marks:100, No of MCQs:40, No of SAQs:8, Total MCQs Marks:40, Total SAQs Marks:40,

Internal Assessment: 20

12.1 Anatomy - (SAQs: 0 MCQs: 2)

12.2 Physiology - (SAQs: 0 MCQs: 2)

12.3 Ocular Therapeutics - (SAQs: 0 MCQs: 1)

12.4 Orbit - (SAQs: 0.5 MCQs: 3)

- 12.4.1 Orbital cellulitis, proptosis, thyroid ophthalmopathy, exophthalmos, tumours and trauma

12.5 Lids & Adnexa - (SAQs: 0.5 MCQs: 2)

- 12.5.2 Blepharitis, stye, chalazion, trichiasis, entropion, ptosis and common tumours

12.6 Lacrimal System - (SAQs: 0.5 MCQs: 1)

- 12.6.2 Epiphora, lacrimation, dry eye, dacryocystitis (acute & chronic). Lacrimal gland tumours

12.7 Conjunctiva - (SAQs: 0.5 MCQs: 3)

- 12.7.2 Infective and allergic conjunctivitis, blepharitis and pinguecula

12.8 Cornea- (SAQs: 1 MCQs: 4)

- 12.8.2 Corneal transparency, corneal edema, corneal vascularization, keratitis, corneal ulcers, corneal opacity dry eye, corneal dystrophy and keratoplasty

12.9 Uvea - (SAQs: 0.5 MCQs: 2)

- 12.9.2 Uveal tract: Uveitis and its differential diagnosis from other causes of the red eye.

12.10 Glaucoma - (SAQs: 1 MCQs: 3)

12.10.2 Aetiology, classification, diagnosis and general principles of medical and surgical management

12.11 Lens - (SAQs: 0.5 MCQs: 3)

12.11.2 Cataract

12.11.3 Cataract classification, aetiology, management including visual rehabilitation and biometry

12.12 Vitreo Retina - (SAQs: 1 MCQs: 6)

12.12.2 Primary retinal detachment, vitreous detachment and haemorrhage, diabetic retinopathy, hypertensive retinopathy, retinal artery and vein occlusion, retinitis pigmentosa, retinoblastoma age related macular degeneration

12.13 Neuro Ophthalmology - (SAQs: 0.5 MCQs: 2)

12.14 Squint - (SAQs: 0.5 MCQs: 2)

12.14.2 Amblyopia, phoria and tropia, paralytic and nonparalytic

12.15 Refraction - (SAQs: 0.5 MCQs: 2)

12.16 Trauma - (SAQs: 0.5 MCQs: 2)

Total MCQs: 40. TOTAL_SEQ: 8

TABLE OF SPECIFICATIONS (THEORY)

SUBJECT: ENT THIRD PROFESSIONAL MBBS

**Total Marks: 100, No of MCQs: 40, No of SAQs: 8, Total MCQs Marks: 40, Total SAQs Marks: 40,
Internal Assessment: 20**

13.1 Nose: (SEQ s: 2BCQs: 10)

13.1.1 Nasal trauma (including FB & CSF rhinorrhea)

13.1.2 Miscellaneous

13.1.3 Septum

13.1.4 Tumors

13.1.5 Nasal polyp

13.1.6 Sinuses

13.1.7 Epistaxis

13.1.8 Nasal allergy/vasomotor rhinitis

13.2 Ear: (SEQs: 2BCQs: 12)

13.2.1 External ear

13.2.2 Middle ear

13.2.3 Inner ear

13.2.4 Audiology

13.2.5 Facial nerve

13.3 Larynx: (SEQs: 1BCQs: 6)

13.3.1 Infections

13.3.2 Tracheostomy

- 13.3.3 Foreign bodies aero-digestive tract
- 13.3.4 Tumors
- 13.4 Pharynx: (SEQs: 1BCQs: 5)**
 - 13.4.1 Oropharynx
 - 13.4.2 Nasopharynx
 - 13.4.3 Hypopharynx
- 13.5 Oral cavity: (SEQs: 1BCQs: 2)**
 - 13.5.1 Oral cavity
- 13.6 Salivary glands: (SEQs 5 BCQs: 2)**
 - 13.6.1 Salivary glands
- 13.7 Neck mass: (SEQs: 5 BCQs: 2)**
 - 13.7.1 Neck mass
- 13.8 Recent advances in ENT (SEQs 0BCQs: 1)**
 - 13.8.1 Recent advances in ENT

Total MCQs: 40. TOTAL_SEQ: 8

TABLE OF SPECIFICATIONS (THEORY)

SUBJECT: MEDICINE-A FINAL PROFESSIONAL MBBS

Total Marks: 150 No of MCQs: 60, No of SAQS: 12, Total MCQs Marks: 60 Total SAQs Marks: 60, Internal Assessments: 30

- 14.1 Cardiovascular system- (SAQs: 2MCQs: 10)**
 - 14.1.1 Rheumatic fever and rheumatic heart disease
 - 14.1.2 Valvular heart disease
 - 14.1.3 Ischaemic heart disease
 - 14.1.4 Cardiac arrhythmias
 - 14.1.5 Heart failure
 - 14.1.6 Congenital heart disease
 - 14.1.7 Cardiomyopathies
 - 14.1.8 Pericardial diseases
 - 14.1.9 Approach to a patient with shortness of breath
 - 14.1.10 Infective endocarditis
 - 14.1.11 Latest update in Heart diseases
 - 14.1.12 Hypertension
 - 14.1.13 Vasculitis
 - 14.1.14 Approach to a patient with chest pain
- 14.2 Pulmonary Medicine- (SAQs: 2 MCQs: 10)**
 - 14.2.1 Asthma
 - 14.2.2 Environmental/ occupational lung diseases

- 14.2.3 Pneumonias
- 14.2.4 ARDS
- 14.2.5 Acute respiratory failure/ mechanical ventilation
- 14.2.6 Bronchiectasis
- 14.2.7 COPD
- 14.2.8 Interstitial lung diseases
- 14.2.9 Pulmonary thromboembolism
- 14.2.10 Acute cor pulmonale
- 14.2.11 Approach to a patient with cough and breathlessness
- 14.2.12 Pleural effusion
- 14.2.13 Pneumothorax
- 14.2.14 Tuberculosis
- 14.2.15 Tumors of the lung
- 14.2.16 Disorders of chest wall & Pleura
- 14.2.17 Empyema
- 14.2.18 Basic of pulmonary function tests
- 14.2.19 Imaging of pulmonary diseases

14.3 Nervous System Disorders – (SAQs: 2 MCQs:10)

- 14.3.1 Meningitis and Encephalitis
- 14.3.2 Epilepsy
- 14.3.3 Cerebrovascular diseases/ Stroke
- 14.3.4 Dementia and Alzheimer's disease
- 14.3.5 Parkinson's disease
- 14.3.6 Motor neuron disease
- 14.3.7 Multiple Sclerosis
- 14.3.8 Cranial nerve disorders
- 14.3.9 Spinal cord disorder
- 14.3.10 Peripheral neuropathy
- 14.3.11 Space occupying lesions of brain and spinal cord
- 14.3.12 Muscular dystrophies
- 14.3.13 Myopathies, myasthenia gravis
- 14.3.14 Movements disorders

14.4 Gastrointestinal System – (SAQs: 2MCQs: 10)

- 14.4.1 Coeliac disease
- 14.4.2 Irritable Bowel syndrome
- 14.4.3 Dyspepsia
- 14.4.4 Dysphagia
- 14.4.5 Peptic ulcer disease
- 14.4.6 Diarrhea
- 14.4.7 Constipation
- 14.4.8 CLD
- 14.4.9 Acute Hepatitis
- 14.4.10 Haematemesis and/ or Melena (Upper GI Bleed)
- 14.4.11 Lower GI Bleed
- 14.4.12 Acute abdomen in medicine
- 14.4.13 Abdominal mass. Visceromegaly
- 14.4.14 Inflammatory bowel diseases

14.5 Liver, Pancreas, and Gall Blander –(SAQs: 1 MCQs: 6)

- 14.5.1 Ascites
- 14.5.2 Approach to patient with jaundice
- 14.5.3 Autoimmune hepatitis
- 14.5.4 Cirrhosis of liver & its etiology
- 14.5.5 Hepatic encephalopathy
- 14.5.6 Caliber& transplant
- 14.5.7 Acute & chronic pancreatitis
- 14.5.8 Hepatotoxic drugs

14.6 Blood – (SAQs:1 MCQs: 6)

- 14.6.1 Anaemias and its approach
- 14.6.2 Approach to patient with anemia and hepatosplenomegaly
- 14.6.3 Lymphoproliferative and myeloproliferative disorders
- 14.6.4 Approach to patient with generalized bleeding

14.7 Rheumatology & Skeletal Disorders- (SAQs: 2 MCQs: 8)

- 14.7.1 Osteoarthritis
- 14.7.2 Osteoporosis
- 14.7.3 Rheumatoid arthritis
- 14.7.4 Paget's disease of the bone
- 14.7.5 Osteopetrosis
- 14.7.6 Multiple myeloma
- 14.7.7 Biological agents and its role in Rheumatology
- 14.7.8 Systemic lupus erythematosus (SLE)
- 14.7.9 Spondyloarthropathies
- 14.7.10 Systemic Sclerosis
- 14.7.11 Mixed connective tissue disease
- 14.7.12 Sjogren;s syndrome
- 14.7.13 Ankylosing spondylitis
- 14.7.14 Bechet's syndrome

Total MCQs: 60, Total SAQs: 12

TABLE OF SPECIFICATIONS (THEORY)

SUBJECT: MEDICINE-B FINAL PROFESSIONAL MBBS

Total Marks: 150 No of MCQs: 60, No of SAQS: 12, Total MCQs Marks: 60 Total SAQs Marks: 60, Internal Assessments: 30

15.1 Endocrinology - (SAQs: 2 MCQs: 14)

- 15.1.1 Diabetes Mellitus
- 15.1.2 Thyroid and Parathyroid disorders
- 15.1.3 Adrenals disorders
- 15.1.4 Pituitary disorders
- 15.1.5 Obesity
- 15.1.6 Hypogonodinm and gynecomastia
- 15.1.7 Miscellaneous/Other disorders of Endocrine system

15.2 Renal, Water, Acid Base/ Electrolytes-(SAQs: 2 MCQs: 12)

- 14.2.1 Acute renal failure
- 14.2.2 Chronic renal failure
- 14.2.3 Nephrotic syndrome
- 14.2.4 Nephritic syndrome
- 14.2.5 Urinary tract infections
- 14.2.6 Inflammatory lesions of the kidneys
- 14.2.7 Introduction to dialysis and renal transplant
- 14.2.8 Drugs causing renal disease
- 14.2.9 Polycystic kidneys
- 14.2.10 Renal vascular disorders
- 14.2.11 Hemolytic uremic syndrome
- 14.2.12 Prostatic diseases
- 14.2.13 Renal Tubular Acidosis
- 14.2.14 Renal Carcinoma
- 14.2.15 Arterial Blood gases

15.3 Infection/ Tropical Disease – (SAQs: 3 MCQs: 12)

- 14.3.1 Septicaemia and septic shock
- 14.3.2 Common bacterial/ viral/ fungal infections
- 14.3.3 Details of diseases (Tetanus, Enteric fever, Cholera, Tuberculosis, Leprosy, Amoebiasis, Malaria, AIDS, Rabies, Infectious mononucleosis)
- 14.3.4 Common parasitic infections (protozoa/ cestoda/ nematoda)

15.4 Psychiatry – (SAQs: 3 MCQs:8)

- 14.4.1 Generalized Anxiety disorders.
- 14.4.2 Somatosations
- 14.4.3 Depressive disorders
- 14.4.4 Differential diagnosis of confused state
- 14.4.5 Dementia
- 14.4.6 Delirium
- 14.4.7 Substance abuse
- 14.4.8 OCD
- 14.4.9 Patient presenting with violence/ aggression
- 14.4.10 Patient presenting with deliberate self-harm
- 14.4.11 Community psychiatry
- 14.4.12 Forensic Psychiatry

15.5 Dermatology – (SAQs: 2MCQs: 10)

- 14.5.1 Eczema
- 14.5.2 Papulosquamous Dermatoses
- 14.5.3 Drug Eruption
- 14.5.4 Bullous Dermatoses
- 14.5.5 Bacterial infections of the skin
- 14.5.6 Cutaneous Infestations
- 14.5.7 Sexually transmitted infections/ AIDS
- 14.5.8 Skin manifestations

15.6 Nutritional Deficiencies – (SAQs: 0MCQs: 4)

- 15.6.1 Vitamin B1, B2, B12 deficiency
- 15.6.2 Vitamin C & folic acid deficiency
- 15.6.3 Vitamin D deficiency (Rickets &Osteomalacia)

Total MCQs: 60. Total_SAQs: 12

TABLE OF SPECIFICATIONS (THEORY)

SUBJECT: SURGERY-A FINAL PROFESSIONAL MBBS

Total Marks: 120 No of MCQs: 60, No of SAQS: 11, Total MCQs Marks: 60 Total SAQs Marks: 60, Internal Assessments: 30

16.1 Shock resuscitation and monitoring (MCQs: 2 SAQ: 1)

16.2 Wounds wound healing & scars (MCQ: 5, SAQ: 2)

- 16.2.1 Types of wounds, tissue repair & scars
- 16.2.2 Surgical site infection, acute & chronic infection
- 16.2.3 Sepsis, MOF, MODS
- 16.2.4 Role of antibiotic in various infections
- 16.2.5 Metabolic response to injury
- 16.2.6 Tropical infections and infestations

16.3 Fluid electrolyte & Acid- Base Balance, transfusion, shock-(MCQ: 3, SAQ: 1)

- 16.3.1 Fluid electrolyte & Acid- base balance, Hypovolemic and other types of shock
- 16.3.2 Blood transfusion & haemorrhagic shock, other shock

16.4 Nutrition-(MCQ: 2, SAQ: 0)

- 16.4.1 Surgical nutrition
- 16.4.2 Enteral & parenteral method

16.5 Asepsis & sterilization precaution from HIV & hepatitis, OT protocol- (MCQ: 2, SAQ: 0)

- 16.5.1 Human factors, patient safety and quality

16.6 Tumors, cysts, ulcers & sinuses, fistula & other skin lumps- (MCQ: 3, SAQ: 0)

16.7 Skin tumor, skin grafts & flaps- (MCQ: 4 SEQ: 0)

16.8 Burns Types & management- (MCQ: 4 SEQ: 1)

16.9 Arterial, venous & lymphatic disorders-, gangrene & amputation- (MCQ: 5, SAQ: 1)

16.10 Principle of Anesthesia & Pain Management- (MCQ: 8, SAQ: 1)

- 16.10.1 Pre-Operative assessment of patients and pre- medication
- 16.10.2 Local Anesthesia, regional, spinal
- 16.10.3 General anesthesia and their complications
- 16.10.4 Perioperative care surgical safety check list, monitoring of high risk patients
- 16.10.5 Pain management
- 16.10.6 Role of ICU& ventilator working

- 16.11 Pre-op, & post-operative management - (MCQ: 3, SAQ: 1)**
- 16.12 Principles of surgical oncology- (MCQ: 1, SAQ: 0)**
- 16.13 Conflict surgery - (MCQ: 1, SAQ: 0)**
- 16.14 Trauma and specific injuries - (MCQ: 8, SAQ: 2)**
- 16.15 Warfare injuries & reconstructive surgery - (MCQ: 2, SAQ: 0)**
- 16.16 Elective Musculoskeletal diseases- (MCQ :4 , SAQ :1)**
- 16.17 Neuro surgery & Spine - (MCQ: 3, SAQ:0)**

Total MCQs: 60. TOTAL_SEQ: 11

TABLE OF SPECIFICATIONS (THEORY)

SUBJECT: SURGERY-B FINAL PROFESSIONAL MBBS

Total Marks: 120 No of MCQs: 60, No of SAQS: 12, Total MCQs Marks: 60 Total SAQs Marks: 60, Internal Assessments: 30

- 17.1 Oral cavity & salivary glands - (MCQs: 2 SAQ: 0)**
- 17.2 GIT- (MCQ: 24, SAQ: 4)**
 - 17.2.1 Upper GIT
 - 17.2.2 Lower GIT including Appendix, anal canal
 - 17.2.3 Perianal, perineum diseases
 - 17.2.4 Hepato biliary system including gall bladder
 - 17.2.5 Pancreas & spleen
 - 17.2.6 Bariatric, laparoscopic and robotic surgery
 - 17.2.7 Intestinal obstruction & peritonitis
- 17.3 Hernia, umbilicus, abdominal wall and retroperitoneum- (MCQ: 5, SAQ: 1)**
- 17.4 Urogenital System- (MCQ: 10, SAQ: 3)**
 - 17.4.1 Kidney, ureter
 - 17.4.2 Urinary bladder
 - 17.4.3 Prostate & seminal vesicle
 - 17.4.4 Urethra & penis
 - 17.4.5 Testis & scrotum
 - 17.4.6 Transplantation
- 17.5 Neck and Endocrine- (MCQ: 6, SAQ: 2)**
 - 17.5.1 Trauma neck and trachea
 - 17.5.2 Cervical lymphadenopathy
 - 17.5.3 Congenital lesion of neck
 - 17.5.4 Thyroid
 - 17.5.5 Parathyroid & adrenals, MEN 1&2
- 17.6 Thorax & Mediastinum - (MCQ: 4, SAQ: 1)**
 - 17.6.1 Trauma,
 - 17.6.2 Tumor
 - 17.6.3 Infections

17.6.4 Thymus, Heart and great vessels

17.7 Breast lesions- (MCQ: 7, SAQ: 1)

17.8 Paediatrics surgery- (MCQ: 2, SAQ: 0)

Total MCQs: 60. TOTAL_SAQ: 12

TABLE OF SPECIFICATIONS (THEORY)

SUBJECT: OBSTETRICS FINAL PROFESSIONAL MBBS

Total Marks: 100, No of MCQs: 40, No of SAQs: 8, Total MCQs Marks: 40, Total SAQs Marks: 40,

Internal Assessment: 20

18.1 Physiological changes in pregnancy – (SAQs: .25MCQs: 2)

18.1.1 Conception, implantation, development of placenta, fetal circulation and abnormalities of placenta

18.2 Normal Fetal Development – (SAQs: .25MCQs: 1)

18.3 Screening + Diagnosis of abnormal fetal development –(SAQs:.25 MCQs: 1)

18.3.1 Prenatal diagnosis

18.4 Assessment of fetal wellbeing – (SAQs: .25 MCQs: 2)

18.4.1 Antepartum

18.4.2 Intrapartum

18.4.3 Note 1* SAQ from TOS ID 18.1 to 18.4

18.5 Antenatal Obstetrical Complications – (SAQs: 2 MCQs: 8)

18.5.1 APH

18.5.2 Abdominal pain in pregnancy

18.5.3 IUGR

18.5.4 Liquor abnormalities & induction of labour

18.5.5 Prolonged pregnancy & Induction of labour

18.5.6 Rh isoimmunization

18.5.7 Venous Thromboembolism

18.5.8 Twin pregnancy

18.5.9 Preterm labour

18.5.10 Pre PROM

18.5.11 Fetal death

18.5.12 Perinatal infection

18.6 Obstetrical emergencies – (SAQs: 2 MCQs: 3)

18.6.1 Complications of 3rd stage of labour (PPH, Retained Placenta)

18.6.2 Shoulder dystocia

18.6.3 Cord Prolapse / Fetal Distress

18.6.4 Uterine inversion

18.6.5 Ruptured Uterus

18.6.6 Maternal collapse (pulmonary embolism, Amniotic fluid embolism)

18.7 Pain relief in labour – (SAQs: 0 MCQs: 1)

18.8 Normal labour&intrapartum care –(SAQs: 0 MCQs:3)

18.8.1 Normal labour (Physiology, Mechanism, Diagnosis, Management of labour)

18.8.2 Understanding and use of partogram

- 18.8.3 Intrapartum fetal monitoring
- 18.8.4 Methods of induction and augmentation of labour
- 18.8.5 Analgesia and anesthesia in labour
- 18.8.6 Management of 3rd stage of labour prevention

18.9 Dysfunctional Labour – (SAQs: 1 MCQs: 4)

- 18.9.1 Malposition (OP, OT)
- 18.9.2 Malpresentation(Breech, Brow, Face, Shoulder)
- 18.9.3 Prolonged / Obstructed labour

18.10 Puerperal Disorder – (SAQs: 0 MCQs: 2)

18.11 Medical Disorders in pregnancy -(SAQs: 2 MCQs: 6)

- 18.11.1 Anemia in pregnancy
- 18.11.2 Pyrexia in Pregnancy
- 18.11.3 Pregnancy with hypertensive Disorders
- 18.11.4 Pregnancy with cardiac disease
- 18.11.5 Pregnancy with Diabetes
- 18.11.6 Pregnancy with jaundice / Hepatitis
- 18.11.7 Renal problems in pregnancy
- 18.11.8 Deep vein thrombosis
- 18.11.9 Endocrine / Autoimmune disorders
- 18.11.10 others (epilepsy, thyroid etc)

18.12 Role of imaging and Radiology – (SAQs: 0 MCQs: 1)

18.13 Statistic – (SAQs: 0 MCQs: 1)

18.15 Antenatal care including investigations – (SAQs: 0 MCQs: 2)

18.16 Instrumental & operative delivery – (SAQs: 0 MCQs: 2)

18.16.1 Note: 1* SAQ from TOS ID 18.13 to 18.16

Total MCQs: 40, Total SAQs: 8

TABLE OF SPECIFICATIONS (THEORY)

SUBJECT: GYNAECOLOGY FINAL PROFESSIONAL MBBS

Total Marks: 100, No of MCQs: 40, No of SAQs: 8, Total MCQs Marks: 40, Total SAQs Marks: 40,

Internal Assessment: 20

19.1 Normal and Abnormal Development of female Genetation / Primary Amenorrhea-

(SAQs: 1 MCQs: 2)

19.2 Male & Female subfertility –(SAQs:1 MCQs: 4)

- 19.2.1 Female subfertility – Evaluation & investigation
- 19.2.2 Male subfertility – Evaluation & investigation
- 19.2.3 Assisted Reproductive techniques

19.3 Contraception & sterilization – (SAQs: 1 MCQs: 3)

19.4 Normal Menstrual Cycle – (SAQs: 0 MCQs: 1)

19.5 Disorder of Menstrual Cycle – (SAQs: 1 MCQs: 6)

- 19.5.1 Dysmenorrhea Primary & secondary
- 19.5.2 Heavy menstrual bleeding
- 19.5.3 Polycystic ovarian disease
- 19.5.4 Secondary amenorrhea

- 19.6 Endometriosis / Adenomyosis- (SAQs: 33 MCQs: 2)**
- 19.7 Menopause / Postmenopausal bleeding –(SAQs: 33 MCQs: 2)**
- 19.8 Infections in Genital tract –(SAQs: 34 MCQs: 3)**
 - 19.8.1 Lower genital tract infections
 - 19.8.2 Upper Genital tract infections

- 19.9 Problems in early pregnancy – (SAQs: 1 MCQs: 6)**
 - 19.9.1 1st& 2nd trimester Recurrent Miscarriages
 - 19.9.2 Ectopic pregnancy
 - 19.9.3 Gestational trophoblastic disease

- 19.10 Urogynaecology / Urogenital Prolapse – (SAQs: 0 MCQs: 3)**
- 19.11 Gynaecological tumours – (SAQs: 2 MCQs: 8)**
 - 19.11.1 Benign uterine, cervical, ovarian & vulval disorders
 - 19.11.2 Malignant uterine, cervical, ovarian & vulval disorders

Total MCQs: 40, Total SAQs: 8

REVISED TABLE OF SPECIFICATIONS (THEORY)

SUBJECT: Paediatrics – Final Prof – MBBS

**Total Marks: 100, No of MCQs: 40, No of SAQs: 8, Total MCQs Marks: 40, Total SAQs Marks: 40,
Internal Assessment: 20**

- 20.1 Endocrinology – (SAQ: 0MCQs: 3)**
 - 20.1.1 Insulin dependent diabetes mellitus/DKA
 - 20.1.2 Short Stature
 - 20.1.3 Hypothyroidism/Thyroid Disorders

- 20.2 Cardiovascular System – (SAQs: 1MCQs: 3)**
 - 20.2.1 Congenital heart disease (Acyanotic/Cyanotic)
 - 20.2.2 Congestive Cardiac Failure
 - 20.2.3 Shock

- 20.3 Respiratory diseases - (SAQs: 1MCQS: 4)**
 - 20.3.1 Bronchial Asthma/Reactive airway disease
 - 20.3.2 Upper airway illnesses (Croup)
 - 20.3.3 Lower airway disorders (Pneumonia/Bronchiolitis)
 - 20.3.4 Pleural effusion/Pneumothorax

20.4 Gastrointestinal Tract -(SAQs: 0MCQs: 3)

- 20.4.1 Acute & Chronic Diarrhea
- 20.4.2 Recurrent Abdominal Pain
- 20.4.3 Acute Viral Hepatitis/Fulminant Hepatic Failure
- 20.4.4 Chronic Liver Disease/ Portal Hypertension
- 20.4.5 Chronic Constipation/Worm infestation

20.5 Oncology / Hematology - (SAQs: 1MCQs: 4)

- 20.5.1 Nutritional Anemia
- 20.5.2 Hemolytic Anemia/Thalassemia
- 20.5.3 Bleeding disorders/ITP
- 20.5.4 Coagulation Disorders/ Hemophilia
- 20.5.5 Leukemia/Lymphoma

20.6 Neurology - (SAQs: 1MCQs: 4)

- 20.6.1 CNS infections (Meningitis/Encephalitis)
- 20.6.2 Seizure disorder /Febrile Seizure
- 20.6.3 Cerebral Palsy/Mental retardation
- 20.6.4 Acute Flaccid Paralysis (GB Syndrome/Poliomyelitis)

20.7 Nephrology – (SAQs: 1MCQs: 3)

- 20.7.1 Acute Kidney injury
- 20.7.2 AGN/hematuria
- 20.7.3 UTI/VUR
- 20.7.4 Nephrotic Syndrome/Proteinuria

20.8 Infectious Diseases/Immune diseases - (SAQ: 1MCQ: 5)

- 20.8.1 Tuberculosis
- 20.8.2 Measles
- 20.8.3 Tetanus
- 20.8.4 Whooping Cough
- 20.8.5 Malaria
- 20.8.6 Enteric Fever
- 20.8.7 Common Rheumatological Disorders in Children
- 20.8.8 Juvenile Dermatomyositis
- 20.8.9 Kawasaki Disease
- 20.8.10 Rheumatic Fever
- 20.8.11 HenochSchonleinPurpura
- 20.8.12 Systemic Lupus Erythematosus
- 20.8.13 JRA/JIA
- 20.8.14 Allergic disorders

20.9 Neonatology – (SAQs: 1MCQs: 6)

- 20.9.1 Neonatal resuscitation/ Care of newborn
- 20.9.2 Hypoxic ischemic Encephalopathy/Birth Asphyxia
- 20.9.3 Prematurity/LBW

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- 20.9.4 Neonatal Jaundice
- 20.9.5 Neonatal Sepsis
- 20.9.6 Neonatal Fits/ IEM
- 20.9.7 Respiratory distress in newborn

20.10 Genetics – (SAQs: 0MCQs: 1)

- 20.10.1 Down Syndrome
- 20.10.2 Pedigree

20.11 Miscellaneous – (SAQs: 1MCQs: 4)

- 20.11.1 Malnutrition
- 20.11.2 Vaccination/ EPI
- 20.11.3 Growth & Developmental Assessment
- 20.11.4 IMCI
- 20.11.5 Breast Feeding
- 20.11.6 Micronutrient Deficiencies
- 20.11.7 Rickets

Total MCQs: 40 Total SAQs: 10

BAHRIA UNIVERSITY ISLAMABAD
TABLE OF SPECIFICATIONS (THEORY)
SUBJECT: ANATOMY–First PROF –BDS

Total Marks: 100 No. of MCQs: 40, No. of SEQs: 8 Total MCQs Marks: 40, Total SEQs Marks: 40, Internal Assessment: 20

21.1 GENERAL ANATOMY (SEQs: 1MCQs: 5)

- 21.1.1 Brief history of anatomy
- 21.1.2 Anatomical nomenclature – Descriptive terms
- 21.1.3 Skeletal system
- 21.1.4 Joints
- 21.1.5 Muscle
- 21.1.6 Cardiovascular system
- 21.1.7 Introduction to lymphatic system
- 21.1.8 Nervous system
- 21.1.9 Autonomic nervous system
- 21.1.10 Skin and fascia
- 21.1.11 Planes and sections with anatomical position of human body

21.2 General Embryology(SEQs: 1MCQs: 4)

- 21.2.1 Cell cycle, Mitosis & meiosis, uterine & ovarian cycle, Gametogenesis 1st, 2nd, & 3rd week of Development, embryonic period, fetus & placenta, birth defects
- 21.2.2 Male & female reproductive system
- 21.2.3 Fertilization, cleavage, blastocyst formation and implantation
- 21.2.4 Ectopic pregnancy
- 21.2.5 Teratogenesis

21.3 Special Embryology (SEQs: 1MCQs: 3)

- 21.3.1 Development of Pharyngeal apparatus.
- 21.3.2 Development of skull & cervical vertebrae.
- 21.3.3 Development of face & palate
- 21.3.4 Development of nervous system (Brain & spinal cord)

21.4 General histology(SEQs: 0 MCQs: 3)

- 21.4.1 Cell
- 21.4.2 Microscopy
- 21.4.3 Epithelial tissues
- 21.4.4 Connective tissues
- 21.4.5 Cartilage
- 21.4.6 Bone
- 21.4.7 Muscular tissue
- 21.4.8 Nervous tissue & Nervous system
- 21.4.9 Lymphoid organ
- 21.4.10 Circulatory system
- 21.4.11 Integument

21.5 Special histology (SEQs: 1MCQs: 3)

- 21.5.1 Endocrine system, respiratory system (respiratory & olfactory epithelia, nasal cavity paranasal air sinuses, nasopharynx larynx trachea) digestive system (oral cavity, esophagus, salivary glands)

21.6 Gross anatomy of Head and Neck (SEQs: 2MCQs: 14)

21.7 Neuroanatomy (SEQs: 2MCQs: 8)

- 21.7.1 Brain
21.7.2 Spinal cord

Total MCQ: 40. TOTAL_SEQ:8

TABLE OF SPECIFICATIONS (THEORY)

SUBJECT: BIOCHEMISTRY – First PROF - BDS

Total Marks: 100, No of MCQs: 40, No of SAQs: 8, Total MCQs Marks: 40, Total SAQs Marks: 40, Internal Assessment: 20

- 22.1 Biochemistry of Cell, Cell membrane - (SEQs: 0MCQs: 2)**
22.2 Oh Buffer's & fluid, water - (SEQs: 0MCQs: 3)
22.3 Chemistry of carbohydrates - (SEQs: 1MCQs: 4)
22.4 Chemistry of Lipids - (SEQs: 1 MCQs: 5)
22.5 Chemistry of Amino Acids, plasma protein, including immunoglobulin - (SEQs 1MCQs 5)
22.6 Chemistry of Nucleotides - (SEQs: 1MCQs: 3)
22.7 Enzymes - (SEQs: 1MCQs: 5)
22.8 Water & fat soluble vitamins - (SEQs: 1MCQs: 5)
22.9 Minerals & trace elements - (SEQs: 1MCQs: 2)
22.10 Porphyria & Hemoglobin synthesis - (SEQs: 1MCQs: 4)
22.11 Digestion & absorption of Carbohydrate Lipids & Proteins- (SEQs: 0MCQs: 2)

Total MCQ: 40. TOTAL_SEQ:8

TABLE OF SPECIFICATIONS (THEORY)

SUBJECT: PHYSIOLOGY – First Prof - BDS

Total Marks: 100, No of MCQs: 40, No of SAQs: 8, Total MCQs Marks: 40, Total SAQs Marks: 40, Internal Assessment: 20

23.1. CELL, NERVE AND MUSCLE (SEQs 1MCQs: 4)

- 23.1.1 General physiology / cell
23.1.2 Functional organization of cell, its organelles & Genetics
23.1.3 Cell membrane and its functions
23.1.4 Transport through cell membrane and membrane potentials
23.1.5 Neuron structure and function
23.1.6 Properties of nerve fibers

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- 23.1.7 Functional organization of different type of muscle
- 23.1.8 Mechanism of muscle contraction
- 23.1.9 Neuromuscular transmission and disorders

23.2 HEART AND CIRCULATION (SEQs 1MCQs: 4)

- 23.2.1 Introduction to CVS, correlation of cardiac cycle with ECG and heart sounds, BP and its Regulation
- 23.2.2 Functional types of blood vessels
- 23.2.3 Local control of blood flow
- 23.2.4 Systemic circulation
- 23.2.5 Coronary circulation
- 23.2.6 Pulmonary circulation
- 23.2.7 Cerebral circulation
- 23.2.8 Types of shock
- 23.2.9 CVS adaptation during exercise

23.3 RESPIRATORY SYSTEM (SEQs 1MCQs: 5)

- 23.3.1 Functional organization of respiratory system
- 23.3.2 Compliance of lung and ventilation perfusion ratio
- 23.3.3 Mechanism of breathing
- 23.3.4 Lung function test
- 23.3.5 Protective reflexes
- 23.3.6 Lung volumes & capacities, dead space
- 23.3.7 Obstruction/ Restrictive lung Diseases (FEV/FVC)
- 23.3.8 Diffusion of gases
- 23.3.9 Transport of CO₂ and O₂ in blood
- 23.3.10 Regulation of respiration (Nervous/chemical)
- 23.3.11 Abnormal Breathing asphyxia
- 23.3.12 Hypoxia types an effect
- 23.3.13 Physiology of cyanosis/ Dyspnoea in relation with respiratory system
- 23.3.14 Physiology of high altitude, artificial respiration
- 23.3.15 Oxygen therapy/ Oxygen debt, Exercise

23.4 BLOOD (SEQs 1MCQs: 5)

- 23.4.1 Composition and General function
- 23.4.2 RBCs (Erythropoiesis) Anemia and Polycythemia
- 23.4.3 Hemoglobin and blood indices
- 23.4.4 White blood cell leucopoiesis, leukocytosis, functions and immunity and vaccination
- 23.4.5 Platelet thrombocytopenia
- 23.4.6 Hemostasis clotting disorders (hemophilia)
- 23.4.7 Blood groups and Blood grouping / cross
- 23.4.8 Blood transfusion, complications matching and significance

23.5 Gastro intestinal system (SEQs 1MCQs: 4)

- 23.5.1 Functional organization of GIT
- 23.5.2 Composition, function and regulation of Saliva
- 23.5.3 Mastication, Swallowing & its regulation and achalasia
- 23.5.4 Secretion and hormones
- 23.5.5 Function, motility and Secretion of stomach and pancreas
- 23.5.6 Function, motility and Secretion of large intestine

23.5.7 Reflexes of GIT

23.5.8 Functions and movement of large intestine and disorders

23.6 Central Nervous system (SEQs 2MCQs: 5)

23.6.1 Organization of nervous system

23.6.2 Classification of nerve fiber

23.6.3 Types and function of sensory receptor

23.6.4 Function of spinal cord ascending tracts, reflex action, and muscle tone. Interpretation of reflexes muscle / spindle / muscle tone UMN / LMN Lesions futures and localization

23.6.5 Tactile, temperature and pain sensations, structural of cerebral cortex

23.6.6 Sensory cortex

23.6.7 Motor cortex, motor pathways, pyramidal and extra pyramidal

23.6.8 Basal ganglia connection and functions Parkinson and vestibular apparatus & regulation of lesion

23.6.9 Posture and Equilibrium, reticular formation basal ganglia cerebellar disorders

23.6.10 Physiology of sleep EEG

23.6.11 Physiology of speech

23.6.12 Thalamus nuclei and functions

23.6.13 Hypothalamus and Limbic lesion of system hypothalamus

23.6.14 CSF

23.6.15 Regulation of body temperature

23.6.16 Hydrocephalus

23.6.17 Autonomic nervous system

23.7 Special senses (SEQs 0MCQs: 3)

23.7.1 Physiology of vision

23.7.2 Physiology of taste

23.7.3 Physiology of hearing

23.7.4 Physiology of smell

23.8 Endocrinology(SEQs 1MCQs: 5)

23.8.1 General Principles Classification, mechanism of action, feedback controls. Acromegaly, Gigantism

23.8.2 Biosynthesis, transport metabolism action hormonal assays and control of secretion of hormones of (hypothalamus, anterior & posterior Pituitary, thyroid glands, parathyroid glands, Calcitonin, Diabetes insipidus, adrenal medulla/ adrenal cortex endocrine pancreas or diabetes mellitus, physiology of growth)

23.9 Genetics (SEQs 0MCQs: 4)

23.10 Renal system (SEQs 0MCQs: 1)

23.10.1 Functional organization of nephron, GFR, Tubular Functions and counter current mechanism.

Total MCQ: 40. TOTAL_SEQ:8

TABLE OF SPECIFICATIONS (THEORY)

Subject: SCIENCE OF DENTAL MATERIALS- First Prof – BDS

Total Marks: 100 No. of MCQs: 40 No. of SEQs: 08Total MCQs Marks: 40. Total SEQs Marks: 40.Internal Assessment: 20.

24.1 Classification, introduction to dental materials & Properties - (SEQs: 1MCQs: 5)

- 24.1.1 Physical properties of Dental Materials
- 24.1.2 Thermal, Electrical & other properties
- 24.1.3 Mechanical Properties

24.2 Gypsum Products - (SEQs: 1MCQs: 3)

- 24.2.1 Gypsum products and investment materials

24.3 Investment materials - (SEQs: 0.5MCQs: 2)

- 24.3.1 Note: 1* SEQ from 24.1 to 24.3

24.4 Waxes - (SEQs: 0.5MCQs: 2)

- 24.4.1 Dental waxes

24.5 Polymers - (SEQs: 1MCQs: 4)

- 24.5.1 Types of Polymerization
- 24.5.2 Denture Base Polymers
- 24.5.3 Tissue conditioning/ Denture lining materials
- 24.5.4 Note: 1* SEQ from 24.4 to 24.5

24.6 Impression materials - (SEQs: 1 MCQs: 4)

24.7 Ceramics - (SEQs: 0MCQs: 2)

- 24.7.1 Porcelain + Porcelain fused to metal
- 24.7.2 Artificial Teeth

24.8 Metals & Alloys - (SEQs: 0.5MCQs: 3)

- 24.8.1 Gold & Noble metal alloys
- 24.8.2 Base Metal Alloys
- 24.8.3 Steel & Wrought Alloys
- 24.8.4 Casting

24.9 Adhesion to tooth structure - (SEQs: 1MCQs: 5)

- 24.9.1 Bonding to enamel and Dentine
- 24.9.2 Composite restorative material

24.10 Dental Amalgam - (SEQs: 0.5MCQs: 3)

- 24.10.1 Dental amalgam alloy
- 24.10.2 Amalgamation Process
- 24.10.3 Properties and uses of dental amalgam

24.11 Dental Cements - (SEQs: 1MCQs: 5)

- 24.11.1 Glass ionomer cement & Compomers
- 24.11.2 Lining & Luting Cements

24.12 Miscellaneous Materials - (SEQs: 0MCQs: 2)

- 24.12.1 Endodontic material
- 24.12.2 Maxillofacial Materials/implant materials
- 24.12.3 Abrasion & polishing materials
- 24.12.4 Soldering & welding
- 24.12.5 Separating Media

Total MCQ: 40. TOTAL_SEQ: 08

TABLE OF SPECIFICATIONS (THEORY)

Subject: COMMUNITY DENTISTRY – Second Prof – BDS

Total Marks: 100, No. Of MCQs: 40, No. of SEQs: 08, Total MCQs Mark: 40, Total SEQs Marks: 40,

Internal Assessment: 20

25.1 Dental Public Health - (SEQs: 1MCQs: 5)

- 25.1.1 Definitions of Dental Public Health
- 25.1.2 Tools & procedural steps in Dental Public Health, Aims of Dental Public Health
- 25.1.3 Comparison of Health, Disease & Illness, Determinants of Health
- 25.1.4 Criteria for a Public Health Problem, Preventive Strategies

25.2 Oral Epidemiology - (SEQs: 2MCQs: 9)

- 25.2.1 Definition, uses & principles of Epidemiology
- 25.2.2 Research Designs and different types of study, Oral Health surveys
- 25.2.3 Etiology, Natural History & epidemiology of Oral Diseases and Conditions
- 25.2.4 Oral Indices for Common Oral Diseases and conditions, Concept of Screening

25.3 Prevention of Oral & Dental Disease & Oral Health Promotion - (SEQs: 3MCQs: 13)

- 25.3.1 Levels of prevention
- 25.3.2 Prevention of Dental Caries, Periodontal Disease & Oral Cancer
- 25.3.3 Dental plaque: Etiology, role in oral Health, Role of diet and Nutrition in Oral Health
- 25.3.4 Dental Methods of Fluoridation, Pits & fissure Sealants, Methods of Plaque Control
- 25.3.5 Oral Health promotion (i. Definition, Main elements of Oral Health promotion, ii. Ottawa Charter; Main Strategies of Oral Health promotion, Key areas of Action, iii. Approaches in Oral Health Promotion, Common Risk Approach
- 25.3.6 Oral Health Education (i. Definition, Comparison of Oral Health promotion & Oral Health Education, ii. learning domains, Contents of Oral Health Education, iii. Oral Health Education Methods, Steps in planning Oral Health Education program)

25.4 Dental Health Care Delivery System - (SEQs: 1MCQs: 5)

- 25.4.1 Structure & financing of Dental Services
- 25.4.2 Dental Workforce; role of dentists & dental auxiliary staff
- 25.4.3 Infection Control, Occupational Hazards; radiation & mercury protection
- 25.4.4 Dental care of patients with special needs; Elderly, HIV/AIDS, Children
- 25.4.5 Ethics in Dentistry

25.5 Behavioral Sciences - (SEQs: 0.5MCQs: 4)

- 25.5.1 Sociology as applied to Dentistry
- 25.5.2 Determinants of health Behaviors
- 25.5.3 Health Behaviors; determinants of behaviors, attitudes and Beliefs about health & illness, Theories/ Models of health Behavior Change
- 25.5.4 Dentist-Patient Communication, Dental Stress & anxiety
- 25.5.5 Child Psychology; Behavior Management & Modification Techniques, Counselling, motivation & compliance

25.6 Introduction to Bio-Statistics -(SEQs: 0.5MCQs: 4)

- 25.6.1 Types of Variables
- 25.6.2 Frequency Distribution
- 25.6.3 Measuring of central tendency & Variability in Data

- 25.6.4 Sampling Methods
- 25.6.5 Concept of Hypothesis, sampling error, types of errors, confidence intervals, probability
- 25.6.6 Normal Distribution, Standard Deviation & Standard Error
- 25.6.7 Tests of statistical significance

Total MCQ: 40. TOTAL_SEQ: 08

TABLE OF SPECIFICATIONS (THEORY)
SUBJECT: PHARMACOLOGY-SECOND PROF - BDS

Total Marks: 100, No. of MCQs: 40, No. of SEQs: 08. Total MCQs Marks: 40, Total SEQs Marks: 40.
Internal Assessment: 20.

26.1 General Pharmacology - (SEQs: 1MCQs: 6)

- 26.1.1 Introduction and General Principles of Pharmacology
- 26.1.2 Routes of administration of drugs
- 26.1.3 Pharmacokinetics: Basic principles and their clinical application
- 26.1.4 Pharmacodynamics
- 26.1.5 Factors modifying action and doses of drugs
- 26.1.6 Drug biotransformation
- 26.1.7 Adverse drug reactions
- 26.1.8 Drug Interactions
- 26.1.9 Rational use of drugs
- 26.1.10 Development & Regulation of Drugs

26.2 Drugs acting on ANS -(SEQs: 1MCQs: 6)

- 26.2.1 Cholinergic (Cholinomimetic/ Parasympathomimetic) drugs
- 26.2.2 Anti- Cholinergic (Cholinergic Antagonists/ Parasympatholytic) drugs
- 26.2.3 Adrenergic (Adrenomimetic/Sympathomimetic) drugs
- 26.2.4 Anti-Adrenergic (Adrenergic Antagonists/ Sympatholytic) drugs
- 26.2.5 Adrenergic neuron blockers and autonomic ganglion blockers

26.3 Drugs acting on CVS, Blood & Diuretics -(SEQs: 2MCQs: 7)

- 26.3.1 Diuretics
- 26.3.2 Antihypertensive drugs
- 26.3.3 Anti-anginal drugs
- 26.3.4 Drug management of CCF & ionotropic drugs
- 26.3.5 Anti arrhythmic drugs
- 26.3.6 Antihyperlipidemic drugs
- 26.3.7 Coagulants & Anticoagulants
- 26.3.8 Thrombolytic drugs
- 26.3.9 Antiplatelet drugs
- 26.3.10 Antianemic drugs

26.4 Chemotherapy - (SEQs: 1MCQs: 6)

- 26.4.1 Anti-bacterial drugs (Cell wall synthesis inhibitors)
- 26.4.2 Anti-bacterial drugs (Protein synthesis Inhibitors)
- 26.4.3 Anti-bacterial drugs (Nucleic acid synthesis inhibitors)
- 26.4.4 Anti mycobacterial drugs
- 26.4.5 Anti-fungal drugs
- 26.4.6 Anti-viral drugs

- 26.4.7 Anti protozoal drugs, Antimalarial drugs, Anti amoebic drugs
- 26.4.8 Cancer Chemotherapy (Principles & general considerations, treatment approach in some common malignancies including oral cancers)

26.5 Drugs acting on CNS - (SEQs: 1MCQs: 5)

- 26.5.1 Sedative/ Hypnotics
- 26.5.2 Antiepileptic drugs
- 26.5.3 General Anesthetics
- 26.5.4 Local Anesthetics
- 26.5.5 Skeletal muscle relaxants
- 26.5.6 Alcohol
- 26.5.7 Drugs used in migraine
- 26.5.8 CNS Stimulant drugs (cerebral/ brainstem/ spinal cord stimulants)
- 26.5.9 Antipsychotic & antimania drugs
- 26.5.10 Antidepressant drugs
- 26.5.11 Drugs used in Parkinson's disease
- 26.5.12 Drugs of abuse

26.6 Drugs acting on GIT, Respiratory system, Autacoids & Miscellaneous Topics – (SEQ: 1MCQs: 5)

- 26.6.1 Drugs used in acid peptic disease
- 26.6.2 Emetics & Antiemetics
- 26.6.3 Purgatives and Antidiarrheal drugs
- 26.6.4 Antitussive, expectorants & mucolytic agents
- 26.6.5 Drugs used in Bronchial Asthma
- 26.6.6 Histamine & Antihistamines
- 26.6.7 Autacoids (eicosanoids, serotonin, substance P, bradykinin)

26.7 Drugs acting on Endocrine, NSAIDs, & Gout - (SEQs: 1 MCQs: 5)

- 26.7.1 Adrenocorticoids
- 26.7.2 Male & Female sex hormones
- 26.7.3 Drugs acting on thyroid/ parathyroid
- 26.7.4 Anti diabetic drugs
- 26.7.5 Opioid analgesics
- 26.7.6 Non-Steroidal Anti-Inflammatory drugs (NSAIDS)
- 26.7.7 Anti-Gout drugs
- 26.7.8 DMARDS

Total MCQ: 40. TOTAL_SEQ: 8

TABLE OF SPECIFICATIONS (THEORY)

SUBJECT: GENERAL PATHOLOGY - 2nd PROFESSIONAL BDS

Total Marks: 100, No of MCQs: 40, No of SAQs: 8, Total MCQs Marks: 40, Total SAQs Marks: 40, Internal Assessment: 20

27.1 Cell Injury - (SAQs: 1MCQs: 5)

- 27.1.1 Terms necrosis, ischemia, hypoxia, infarction, and gangrene
- 27.1.2 Sequence of the ultrasound and biochemical changes which occur in the cell
- 27.1.3 Irreversible and reversible injury
- 27.1.4 Apoptosis and its significance
- 27.1.5 Necrosis and its types
- 27.1.6 Exogenous and endogenous pigment deposition
- 27.1.7 Dystrophic and metastatic calcification along with clinical significance
- 27.1.8 Metabolic disorders
- 27.1.9 Cellular adaptations, Atrophy hyperplasia, hypertrophy & metaplasia
- 27.1.10 Intracellular accumulations

27.2 Inflammation and Mediators of inflammation/ Wound Healing - (SAQs: 2MCQs: 5)

- 27.2.1 Role of inflammation in the defense mechanisms of body
- 27.2.2 Vascular changes of acute inflammation and relate these to the morphological and Tissue effects
- 27.2.3 Process of chemo taxis, opsonization and phagocytosis
- 27.2.4 Role of cellular components in inflammatory exudate
- 27.2.5 Difference between exudate and transudate
- 27.2.6 Important clinical mediators of inflammation
- 27.2.7 Pathway of Arachidonic acid metabolism
- 27.2.8 Mechanism for development of fever and systemic effect of inflammation
- 27.2.9 Chronic inflammation including granulomas
- 27.2.10 Significance of ESR
- 27.2.11 Pathogenesis, Clinical features and lab diagnosis
- 27.2.12 Difference between repair and regeneration
- 27.2.13 wound healing by first and second intention
- 27.2.14 Factors that influence the inflammatory reparative response
- 27.2.15 Formation of granulation tissue
- 27.2.16 Complications of wound healing

27.3 Neoplasia- (SAQs: 1MCQs: 5)

- 27.3.1 Agenesis, Dysgenesis,Aplasia, Hypoplasia, Hyperplasia, Metaplasia, Dysplasia, Anaplasia, Atrophy and Hypertrophy
- 27.3.2 Cell cycle and list cell types (stable, labile, permanent)
- 27.3.3 Mechanisms controlling cell growth
- 27.3.4 Classification systems of tumors
- 27.3.5 Characteristics of benign and malignant tumors
- 27.3.6 Grading and staging systems of tumors
- 27.3.7 Biology of tumor growth
- 27.3.8 Process of carcinogenesis
- 27.3.9 Host defense against tumors
- 27.3.10 Mechanism of local and distant spread
- 27.3.11 Local and systemic effects of tumors
- 27.3.12 Tumor markers used in the diagnosis and management of cancers

- 27.3.13 Chemical, physical agents and viruses related to human cancers
- 27.3.14 Epidemiology of common cancers in Pakistan

27.4 Disorders of circulation - (SAQs: 1MCQs: 5)

- 27.4.1 Etiology and Pathogenesis of thrombosis
- 27.4.2 Possible consequences of thrombosis
- 27.4.3 Difference between thrombi and clots
- 27.4.4 Difference between arterial and venous emboli
- 27.4.5 Hemodynamic disorders
- 27.4.6 Pathogenesis and morphological features of infarction and shock

27.5 Microbiology - (SAQs: 3MCQs: 12)

- 27.5.1 General bacteriology
- 27.5.2 Special bacteriology
- 27.5.3 Parasitology
- 27.5.4 Virology
- 27.5.5 Fungi

27.6 Genetics & Immunology - (SAQs: 0MCQs: 8)

- 27.6.1 Define antigen, antibody, epitope, hapten& adhesion molecules
- 27.6.2 Innate & acquired immunity
- 27.6.3 Type I, II, III & IV Hypersensitivity reactions
- 27.6.4 Classification of the immunodeficiency disorders
- 27.6.5 Autoimmunity and autoimmune disorders
- 27.6.6 Common sex linked and autosomal (mendelian disorders)
- 27.6.7 Common genetic mutations
- 27.6.8 Disease associated with consanguineous marriages
- 27.6.9 Chromosomal disorders
- 27.6.10 Molecular biology technosigns and genetic diagnosis

Total MCQ: 40. TOTAL_SEQ: 8

TABLE OF SPECIFICATIONS (THEORY)

Subject: ORAL BIOLOGY & TOOTH MORPHOLOGY First Prof - BDS

Total Marks: 100, No of MCQs: 40, No of SAQs: 8, Total MCQs Marks: 40, Total SAQs Marks: 40, Internal Assessment: 20

28.1 Embryology (SEQs: 2 , MCQs: 8)

- 28.1.1 General human development
- 28.1.2 The brachial apparatus
- 28.1.3 Development of face/tongue/thyroid gland
- 28.1.4 Development of nasomaxillary complex
- 28.1.5 Development of palate
- 28.1.6 Development of mandible and temporomandibular joint
- 28.1.7 Development of para-nasal sinuses
- 28.1.8 Development of salivary glands
- 28.1.9 Tooth development and its associated structures
- 28.1.10 Development of cartilages and bones of facial skeleton
- 28.1.11 Introduction of clinical anomalies related with all the above topics
- 28.1.12 Introduction to Post natal facial growth.
- 28.1.13 Development of base of skull

28.2 DEVELOPMENTAL HISTOLOGY (SEQs: 2 MCQs: 14)

- 28.2.1 Bone/cartilage (specially jaws)
- 28.2.2 Alveolar bone
- 28.2.3 Periodontal ligament
- 28.2.4 Cementum
- 28.2.5 Tooth eruption and shedding
- 28.2.6 Oral mucous membrane
- 28.2.7 Dentine
- 28.2.8 Pulp
- 28.2.9 Enamel
- 28.2.10 Temporo-mandibular joint clinical consideration
- 28.2.11 Endogenous implants/changes during tooth movement/wound healing

28.3 ORAL PHYSIOLOGY (1 SEQ, MCQs: 3)

- 28.3.1 Immunology
- 28.3.2 Calcium metabolism and bone
- 28.3.3 The healing of bone fractures
- 28.3.4 Repair and regeneration of dental tissues
- 28.3.5 Histology and function of Saliva & salivary glands, Taste & taste organs, Pain & pain pathway

28.4 TOOTH MORPHOLOGY AND OCCLUSION (SEQs: 2, MCQs: 9)

- 28.4.1 Introduction and nomenclature
- 28.4.2 Anatomic and physiologic consideration of form and function of orodento-facial structures
- 28.4.3 Brief study of comparative Oral Biology and Tooth Morphology
- 28.4.4 Eruption Sequence of primary and permanent teeth

28.5 THE DECIDUOUS DENTITION & PERMANENT DENTITION (SEQs: 1 MCQs: 3)

- 28.5.1 Detail description of each primary tooth

28.5.2 The pulp cavities

28.5.3 The difference between deciduous and permanent teeth

28.7 TOOTH NUMBERING SYSTEMS (SEQs:0, MCQs: 3)

Total MCQ: 40. TOTAL_SEQ: 8

TABLE OF SPECIFICATIONS (THEORY)

SUBJECT: GENERAL SURGERY – 3rd PROFESSIONAL BDS

Total Marks: 100, No of MCQs: 40, No of SAQs: 8, Total MCQs Marks: 40, Total SAQs Marks: 40, Internal Assessment: 20

29.1 Core knowledge - (SEQs: 2MCQs: 8)

- 29.1.1 Asepsis, sterilization
- 29.1.2 Wound care, repair, types of wounds, use of anti biotics
- 29.1.3 Nutrition, fluid & electrolytes management
- 29.1.4 Treatment of acute & chronic infections
- 29.1.5 Sepsis, shock its management, role of icu.
- 29.1.6 Preop, post op, and peri op care & management.
- 29.1.7 Anesthesia & pain management
- 29.1.8 Diseases of breast & thyroid
- 29.1.9 Abscess, sinus, fistula, ulcer, skin & s/c swellings

29.2 Acute problems - (SEQs: 1MCQs: 4)

- 29.2.1 Trauma initial assessment, ABCDE management
- 29.2.2 Principles of Triage, poly trauma
- 29.2.3 Ventilator working, Monitoring criteria
- 29.2.4 Controlling external haemorrhage, shock & blood transfusion
- 29.2.5 Trauma to the oral cavity, larynx and pharynx
- 29.2.6 Burns types & management
- 29.2.7 Skin grafts, types & complication
- 29.2.8 Benign and malignant lesion of skin (of head & neck area).

29.3 knowledge of system and the Diseases-(SEQs: 1MCQs: 8)

- 29.3.1 Head face & neck
- 29.3.2 Congenital problems of face and lips and palate
- 29.3.3 Oral cavity including tongue
- 29.3.4 Diseases of salivary glands
- 29.3.5 Neck lesion excluding thyroid
- 29.3.6 Trauma of neck face & vertebrae

29.4 Chest cavity & lung - (SEQs: 1 MCQs: 4)

- 29.4.1 Blunt & penetrating injuries
- 29.4.2 Lungs abscess and empyema thoracis
- 29.4.3 Tension Pneumothorax

29.5 Gastro intestinal tract, Urinary tract - (SEQs: 2MCQs: 8)

- 29.5.1 Trauma of abdomen pelvis and perineum
- 29.5.2 Hernia
- 29.5.3 Diseases of liver, gall bladder, pancreas
- 29.5.4 Intestinal obstruction
- 29.5.5 Peritonitis
- 29.5.6 Appendicitis
- 29.5.7 Bleeding P/R
- 29.5.8 UTI & Haematuria
- 29.5.9 Calculus diseases of renal tract
- 29.5.10 parasitic infestation of surgical importance

29.6 Musculoskeletal system - (SEQs: 1MCQs: 5)

- 29.6.1 Fracture & dislocations
- 29.6.2 Bone & joint infections
- 29.6.3 Common congenital deformities of bones

29.7 Vascular& Nerve Disorders- (SEQs: 0MCQs: 3)

- 29.7.1 Dvt& varicose veins
- 29.7.2 Acute arterial obstruction
- 29.7.3 Gangrene& amputation
- 29.7.4 Peripheral nerve injury

29.8 Note: Clinical hours of General Medicine & General Surgery may be extended to evening ward duties in addition to allotted hours - (SEQs: 0MCQs: 0)

Total MCQ: 40. TOTAL_SEQ: 8

TABLE OF SPECIFICATIONS (THEORY)

SUBJECT: GENERAL MEDICINE – 3rd PROFESSIONAL BDS

Total Marks: 100, No of MCQs: 40, No of SAQs: 8, Total MCQs Marks: 40, Total SAQs Marks: 40, Internal

Assessment: 20

30.1 Climate and Environmental disorders - (SEQs 0MCQs 1)

- 30.1.1 Hyperthermia
- 30.1.2 Hypothermia

30.2 Diseases of Cardiovascular system - (SEQs 1MCQs 6)

- 30.2.1 Hypertension
- 30.2.2 Ischemic heart disease (ACS, USA, MI)
- 30.2.3 Valvular heart disease (MS, MR, AS, AR)
- 30.2.4 Rheumatic fever & Rheumatic heart disease
- 30.2.5 Infective Endocarditis
- 30.2.6 Heart blocks
- 30.2.7 Tachyarrhythmias
- 30.2.8 Heart failure (CCF)

30.3 Infectious Diseases - (SEQs 1MCQs 3)

- 30.3.1 Approach to fever & Pyrexia of unknown origin
- 30.3.2 Malaria
- 30.3.3 Typhoid Fever
- 30.3.4 Dengue Fever
- 30.3.5 Meningitis and Encephalitis
- 30.3.6 Chikungonia

30.4 Diseases of Respiratory system - (SEQ1MCQ 4)

- 30.4.1 Pulmonary Tuberculosis
- 30.4.2 Pneumonia
- 30.4.3 Bronchial asthma
- 30.4.4 COPD and Bronchiectasis
- 30.4.5 Pleural effusion and Pneumothorax
- 30.4.6 Diffuse parenchymal lung disease/ ILD
- 30.4.7 Occupational lung disease

30.5 Diseases of the Gastrointestinal tract - (SEQ1MCQ 3)

- 30.5.1 Acute and Chronic gastroenteritis
- 30.5.2 Peptic ulcer disease & GERD
- 30.5.3 Pancreatitis
- 30.5.4 Inflammatory bowel disease (crohn's& UC)
- 30.5.5 Irritable bowel syndrome
- 30.5.6 Malabsorption

30.6 Diseases of Liver & Biliary tract - (SEQ1MCQ 3)

- 30.6.1 Acute viral hepatitis
- 30.6.2 Chronic hepatitis
- 30.6.3 Chronic liver disease (cirrhosis of liver)
- 30.6.4 Complications of cirrhosis
- 30.6.5 Liver abscess

30.7 Diseases due to nutritional deficiencies - (SEQ 0MCQ 1)

- 30.7.1 Vitamin B1, B2, B12 deficiency
- 30.7.2 Vitamin C & folic acid deficiency
- 30.7.3 Vitamin D deficiency (Rickets &Osteomalacia)

30.8 Disturbance in water, electrolyte and acid base balance - (SEQ 0MCQ 1)

- 30.8.1 Hypokalemia / Hyperkalemia
- 30.8.2 Hyponatremia / Hypocalcemia
- 30.8.3 Metabolic acidosis & metabolic alkalosis
- 30.8.4 Respiratory acidosis & Respiratory alkalosis

30.9 Diseases of the kidney and genitourinary system - (SEQ 1MCQ 3)

- 30.9.1 Urinary tract infections

- 30.9.2 Nephrotic syndrome
- 30.9.3 Acute glomerulonephritis
- 30.9.4 Acute and chronic renal failure (CKD)
- 30.9.5 Nephritic Syndrome

30.10 Endocrine and metabolic disorders - (SEQ 1MCQ 4)

- 30.10.1 Hypothyroidism & Hyperthyroidism
- 30.10.2 Cushing syndrome & Addison's disease
- 30.10.3 Disorders of pituitary gland
- 30.10.4 Introduction to Diabetes Mellitus
- 30.10.5 Management of Diabetes Mellitus
- 30.10.6 Complications of Diabetes Mellitus

30.11 Oncology - (SEQ 0MCQ 1)

- 30.11.1 Common malignant Diseases

30.12 Disease of Blood - (SEQ 1MCQ 3)

- 30.12.1 Approach to Anemia
- 30.12.2 Thrombocytopenia
- 30.12.3 Myeloproliferative&Lymphoproliferative Disorders
- 30.12.4 Thalassemia and other hemoglobinopathies
- 30.12.5 Hemophilia and other bleeding disorders

30.13 Diseases of connective tissue, bones and joints - (SEQ 1MCQ 2)

- 30.13.1 Rheumatoid arthritis
- 30.13.2 Osteoarthritis and Osteoporosis
- 30.13.3 Seronegative arthritis (Ankylosing spondylitis, Reactive arthritis, Psoriatic arthritis)
- 30.13.4 Systemic lupus erythematosus
- 30.13.5 Systemic Sclerosis & Raynaud's Phenomenon
- 30.13.6 Sjogren's syndrome
- 30.13.7 Gout&Hyperuricemia

30.14 Psychiatry - (SEQ 0MCQ 1)

- 30.14.1 Introduction Psychiatric illness
- 30.14.2 Depression
- 30.14.3 Generalized anxiety disorder

30.15 Diseases of the skin - (SEQ 1MCQ 1)

- 30.15.1 Psoriasis
- 30.15.2 Diseases due viral infection (herpes simplex, chicken pox, shingles)
- 30.15.3 Common bacterial infections
- 30.15.4 Acne
- 30.15.5 Scabies
- 30.15.6 Vitiligo

30.16 Diseases of the Nervous system - (SEQ 1MCQ 3)

- 30.16.1 Epilepsy

- 30.16.2 Cerebrovascular disease / Stroke
- 30.16.3 Meningitis & Encephalitis
- 30.16.4 Parkinson's disease
- 30.16.5 Cranial nerve disorders
- 30.16.6 Myasthenia gravis
- 30.16.7 Multiple sclerosis
- 30.16.8 Peripheral Neuropathy
- 30.16.9 Headache

Total MCQ: 40. TOTAL_SEQ: 8

TABLE OF SPECIFICATIONS (THEORY)

Subject: ORAL PATHOLOGY – Third Prof – BDS

Total Marks: 100, MCQs: 40 No of SEQs: 8. Total MCQs Marks: 40, Total SEQs Marks: 40, Internal Evaluation: 20

31.1 Developmental disturbances of teeth and paraoral structures – (SEQs: 5 MCQs: 4)

- 31.1.1 Disturbances in number of teeth
- 31.1.2 Disturbances in size of teeth
- 31.1.3 Disturbances in shape of teeth
- 31.1.4 Disturbances in structure of teeth
- 31.1.5 Disturbances in structure of cementm

31.2 Diseases of pulp and parapical tissues– (SEQs: 5 MCQs: 3)

- 31.2.1 Pulpitis, histology, healing of pulp and pulp calcification
- 31.2.2 Periapicalperiodontitis

31.3 Dental caries – (SEQs: 1 MCQs: 2)

- 31.3.1 Etiology
- 31.3.2 Pathology of dental caries
- 31.3.3 Histopathlogicalaspects of dental caries

31.4 Spread of infections and spaces – (SEQs: 0 MCQs: 3)

- 31.4.1 Route of spread of infections and tissue spaces
- 31.4.2 Cellulitis and Ludwig's angina

31.5 Cyst of jaws and soft tissues – (SEQs: 1 MCQs: 4)

- 31.5.1 Classification of cyst of jaws
- 31.5.2 Odontogenic cysts
- 31.5.3 Non-odontogenic/non-epithelialized cysts
- 31.5.4 Cysts of soft tissues

31.6 Odontogenic and non-odontogenic tumors – (SEQs: 1 MCQs: 5)

- 31.6.1 Benign epithelial, mesenchymal and mixed tumoursandodontomes
- 31.6.2 Non-odontogenictumours of jaws

31.7 Premalignant lesions and conditions – (SEQs: 1 MCQs: 3)

- 31.7.1 Leukoplakia, erythroplakia, chronic candidasis, Oral submucos fibrosis, actinic

Keratosis, lichen planus, discoid lupus erythematosus.

31.8 Diseases and tumors of salivary glands – (SEQs: 5 MCQs: 3)

- 31.8.1 Sialadenitis
- 31.8.2 Obstructive and traumatic lesion
- 31.8.3 Sjogren syndrome
- 31.8.4 Benign and malignant tumours

31.9 Diseases of bones and Joints – (SEQs: 1 MCQs: 4)

- 31.9.1 Inherited and developmental disorders of bones
- 31.9.2 Inflammatory and metabolic bone diseases
- 31.9.3 Healing of bone, exostosis and tumours of bone
- 31.9.4 Developmental, inflammatory, functional disorder of TMJ

31.10 Wound healing – (SEQs: 0 MCQs: 1)

31.11 Tooth wear/Non-bacterial loss of tooth substance – (SEQs: 0 MCQs: 2)

- 31.11.1 Attrition, abrasion and erosion
- 31.11.2 Resorption of teeth

31.12 Infections of oral mucosa – (SEQs: 1 MCQs: 2)

- 31.12.1 Bacterial: Acute necrotizing ulcerative gingivitis, syphilis, actinomycosis, TB, Leprosy and gonorrhea.
- 31.12.2 Viral infections: Herpetic stomatitis, herpes zoster, herpangina, hand foot and Mouth, CMV, infectious mononucleosis, AIDS
- 31.12.3 Fungal infections: Candidosis and its classification, median rhomboid glossitis.

31.13 Immunology (Immunological mediated oral diseases)– (SEQs: 5 MCQs: 4)

Total MCQ: 40. TOTAL_SEQ: 8

TABLE OF SPECIFICATIONS (THEORY)

Subject: PERIODONTOLOGY Third Professional - BDS

Total Marks: 100, MCQs: 40 No of SEQs: 8. Total MCQs Marks: 40, Total SEQs Marks: 40, Internal Evaluation: 20

32.1 PERIODONTOLOGY - (SEQ 1MCQS 12)

- 32.1.1 Introduction to Periodontology
- 32.1.2 Epidemiology of Periodontal diseases
- 32.1.3 Etiology of periodontal diseases
- 32.1.4 Dental plaque
- 32.1.5 Dental calculus
- 32.1.6 Microbiology of Plaque associated periodontal diseases
- 32.1.7 Histopathogenesis of Plaque associated periodontal diseases
- 32.1.8 Host response in periodontal diseases

32.2 Periodontitis - (SEQ 2MCQS 6)

- 32.2.1 Classification of periodontal diseases
- 32.2.2 Tumor and tumor like lesions of the periodontium
- 32.2.3 Periodontal abscess and treatment
- 32.2.4 Periodontal pocket
- 32.2.5 Furcation involvement in periodontal diseases
- 32.2.6 Diagnosis of cause related disease
- 32.2.7 Re-evaluation of the cause related therapy, surgical control of dental Plaque
- 32.2.8 Desquamative Gingivitis

32.3 MucogingivalSurgery- (SEQ 1MCQS 2)

- 32.3.1 Mucogingival Surgery
- 32.3.2 Gingival Curettage
- 32.3.3 Periodontal flap surgeries
- 32.3.4 Periodontal Dressing
- 32.3.5 Periodontal Suturing
- 32.3.6 Periodontal treatment of medically compromised patients
- 32.3.7 Occlusal Analysis
- 32.3.8 GTR (Guided tissue regeneration)
- 32.3.9 Trauma from occlusion

Total MCQ: 40. TOTAL_SEQ: 8

TABLE OF SPECIFICATIONS (THEORY)

SUBJECT: ORAL MEDICINE Third Professional BDS

Total Marks: 100, MCQs: 40 No of SEQs: 8.Total MCQs Marks: 40, Total SEQs Marks: 40, Internal Evaluation: 20

32.4 Oral Medicine Diagnosis - (SEQ 1MCQ 1)

- 32.4.1 Histology, General Health Status, Oral Examination (including Lips, Oral Mucosa, Floor of the mouth, Teeth, Gingiva, Occlusion, Salivary Glands, Jaw Bones), Examination of Temporomandibular Joint.Roentgenological Examinations, Laboratory aids, Analysis Treatment Planning and Patient Management.

32.5 Immunity and its Impact on Oral Health - (SEQ 1MCQ 3)

- 32.5.1 Oral Infections
- 32.5.2 Bacterial Infections
- 32.5.3 Fungal Infections
- 32.5.4 Viral Infections

32.6 Oral soft tissue lesions - (SEQ 1MCQ 3)

- 32.6.1 White Lesions
- 32.6.2 Pigmented Lesions
- 32.6.3 Ulcerative Lesions
- 32.6.4 Vesiculo-bullous Lesions
- 32.6.5 Pre-malignant Lesions, Clinical Features, Diagnosis and Management.

32.6.6 Disorders of the tongue and lips. Clinical features, Diagnosis and treatment.
32.6.7 Soft tissue Swellings

32.7 Diseases of Salivary Glands - (SEQ 1MCQ 2)

32.8 Halitosis - (SEQ 0MCQ 1)

32.9 Nutrition and Oral Health - (SEQ 0MCQ 1)

32.10 Allergy and Drug Reactions in Dental Practice: Clinical features, Diagnosis and Treatment of Anaphylactic Shock - (SEQ 0MCQ 2)

32.11 Taste Abnormalities - (SEQ 0MCQ 1)

32.12 SYSTEMIC DISEASES (Oral Manifestation and Dental Management) - (SEQ 0MCQ 3)

32.12.1 Diseases of Cardiovascular Diseases

32.12.2 Disorders of Respiratory System

32.12.3 Disorders of Gastrointestinal Tract

32.12.4 Diseases of Liver (with special attention to the infectivity of the patients and mode of its further spreads and control specific reference to Universal precautions)

32.12.5 Diseases of Kidneys (special attention to Patient on Dialysis)

32.12.6 Hormonal Disturbances

32.12.7 Oral Aspects of Puberty, Menstruation, Pregnancy and Menopause.

32.12.8 Oral Aspects of Skin Diseases

32.12.9 Hematological Disorders (Special Considerations for patients suffering from systemic disorders, like blood disorders requiring blood examination prior to Oral surgery)

32.12.10 Sexually transmitted Diseases:

32.13 Facial Pain - (SEQ 0MCQ 1)

32.14 Oral Malignancies - (SEQ 0MCQ 2)

32.14.1 Diagnosis and Management

32.14.2 Patients on Radiotherapy

32.14.3 Patients on Chemotherapy

Total MCQ: 40. TOTAL_SEQ: 8

TABLE OF SPECIFICATIONS (THEORY)

Subject: PROSTHODONTICS – Final Prof- BDS

Total Marks: 100, MCQs: 40 No of SEQs: 8. Total MCQs Marks: 40, Total SEQs Marks: 40, Internal Evaluation: 20

33.1 Complete denture – (SEQs: 2MCQs: 10)

33.1.1 Edentulism and residual ridge resorption

33.1.2 Applied anatomy and physiology (Peripheral tissue attachment of denture bearing area, Tongue form, Saliva)

33.1.3 Evaluation of patients (Identification of patients, General conditions, Muscle tone and muscular development, Psychiatric evaluation of patients, Oral

- mucosa, Ridge form and relations, Face forms, mouth preparations including preprosthetic surgery)
- 33.1.4 Clinical and laboratory procedures
- 33.1.5 Sequelae of wearing complete dentures
- 33.1.6 Applied Dental Materials
- 33.2 Impression Techniques –(SEQs: 1MCQs: 3)**
 - 33.2.1 Objectives of impression
 - 33.2.2 Theories and techniques
 - 33.2.3 Retention in dentures
 - 33.2.4 Procedures and applied materials
- 33.3 Gerodontology -(SEQs: 0MCQs: 3)**
 - 33.3.1 Principles and procedures relating to the management of medically compromised patients and the elderly
 - 33.3.2 Medical conditions and medication having oral manifestation
 - 33.3.3 Biomechanics
 - 33.3.4 Effects of aging and Geriatric nutrition
- 33.4 Replacement dentures - (SEQs: 1MCQs: 3)**
 - 33.4.1 over dentures
 - 33.4.2 Immediate dentures
 - 33.4.3 Copy dentures
 - 33.4.4 Single dentures
 - 33.4.5 Relining, rebasing and repair
- 33.5 Removable Partial Dentures/ Precision Retained Dentures – (SEQs: 2MCQs: 8)**
 - 33.5.1 Partial Denture Designing (Partial dentulism, Classification systems, Components and principles of Partial denture designing, Surveying, Support Problems in Partial denture designing.
 - 33.5.2 Partial denture Fabrication (History and examination, Diagnostic records, Case Selection, Formulation of a Treatment Plan, Mouth Preparation, Impressions, Laboratory Procedures, Maxillomandibular Relations, Occlusion, Trial, Insertion, Adjustment.
 - 33.5.3 Acrylic Partial Dentures and Special Cases
- 33.6 Fixed Partial dentures - (SEQs:2MCQs:7)**
 - 33.6.1 Principles of Fixed Prosthodonticsand tooth preparation
 - 33.6.2 Evaluation of Fixed Prosthodontic Patients
 - 33.6.3 Clinical and lab oratory procedures
 - 33.6.4 Fixed Partial dentures (Bridges)
- 33.7 Implantology and Implant Prosthesis, Occlusion and TMD/MPD - (SEQs: 0MCQs: 4)**
 - 33.7.1 Osseointegration and implants
 - 33.7.2 Prosthodontic options
 - 33.7.3 Clinical and Laboratory Procedures
 - 33.7.4 Theories and Principles of Occlusion

33.8 Maxillofacial Prosthodontics - (SEQs: 0MCQs: 2)

33.8.1 Obturators, Cleft palate prosthesis and Speech aid prosthesis, Mandibular prosthesis (guide flange and double occlusal table), Facial Prostheses

Total MCQ: 40. TOTAL_SEQ: 8

TABLE OF SPECIFICATIONS (THEORY)

SUBJECT: OPERATIVE DENTISTRY- Final Prof- BDS

Total Marks: 80, No of MCQs: 40 No of SEQs: 8. Total MCQs 40 Marks: Total SEQs 40 MARKS

33.9 Endodontics, Restoration of Pulpless tooth - (MCQs.15SEQs. 03)

- 34.1.1 The Dental pulp and Periradicular tissue
- 34.1.2 Protecting the pulp preserving the apex
- 34.1.3 Pulpal & periapical pathosis, and endo-perio interrelationship
- 34.1.4 Endodontic instruments, radiography & local anesthesia
- 34.1.5 Endodontic access preparation and length determination, cleaning/shaping & obturation
- 34.1.6 Procedural accidents and longitudinal fracture
- 34.1.7 Non-surgical retreatment with evaluation of endodontic outcome and surgical endodontic

33.10 Restorative Dentistry - (MCQs.15SEQs. 03)

- 34.2.1 Diagnosis & management of; Dental caries & non carious lesions, Tooth surface loss & Discoloration of teeth
- 34.2.2 Restorative materials (Amalgam, resin composite, RMGIC, GIC, bonding agents)
- 34.2.3 Sterilization & Disinfection
- 34.2.4 Indirect restoration (Inlay, onlay, veneer, & occlusion)

33.11 Paedodontics - (MCQs.10SEQs. 02)

- 34.3.1 Child Management in dental practice
- 34.3.2 Dental caries in children with Prevention and restorative treatment
- 34.3.3 Dental trauma, resorption & pulp therapy in primary and young permanent teeth

Total MCQ: 40. TOTAL_SEQ: 8

TABLE OF SPECIFICATIONS (THEORY)

Subject: ORAL & MAXILLOFACIAL SURGERY - FINAL PROF. BDS

Total Marks: 100 No of MCQs: 40, No. of SEQs: 8, Total MCQs Marks: 40 Total SEQs Marks: 40, Internal Assessment Marks: 20

35.1 Basic Principles of Oral Surgery - (SEQs: 1 MCQs: 2)

35.2 Dento alveolar Surgery/Pre-prosthetic surgery - (SEQs: 1 MCQs: 2)

- 35.2.1 Local Anesthesia
- 35.2.2 Instruments used in Oral Surgery
- 35.2.3 Pre-prosthetic surgery
- 35.2.4 Principles of Flap design
- 35.3 Exodontias (Simple & Complicated) - (SEQs: 1MCQs: 3)**
- 35.4 Impacted teeth -(SEQs: 1 MCQs: 2)**
- 35.5 Oral Infections & their Spread via Facial Spaces -(SEQs: 1MCQs: 3)**
 - 35.5.1 Specific and non-specific
 - 35.5.2 Spread
 - 35.5.3 Principles of Management
- 35.6 Salivary Gland Disorders - (SEQs: 0MCQs: 2)**
 - 35.6.1 Diseases of salivary glands including tumors
 - 35.6.2 Sialadenitis
 - 35.6.3 Sialolithiasis
 - 35.6.4 Means of Investigations
 - 35.6.5 Diagnosis and Management
- 35.7 Maxillary Antrum diseases -(SEQs: 0MCQs: 1)**
 - 35.7.1 Oro-antral fistula
 - 35.7.2 Foreign body
- 35.8 TMJ Pain Disorders & Facial Neuralgias - (SEQs: 1MCQs: 2)**
 - 35.8.1 Surgical anatomy, Diseases and disorders including ankylosis
- 35.9 Pre-malignant lesions and Oral Cancer -(SEQs: 0MCQs: 2)**
 - 35.9.1 Diagnosis and Management
- 35.10 Tumors of the Facial Skeleton (Odontogenic& Non-odontogenic) - (SEQs: 0MCQs: 2)**
 - 35.10.1 Diagnosis and Management
- 35.11 Cysts of the Facial Skeleton - (SEQs: 0MCQs: 2)**
 - 35.11.1 Cysts of soft and hard tissues of Oro-facial region and their management
- 35.12 Asepsis, Cross Infection & Sterilization - (SEQs: 0MCQs: 2)**
- 35.13 Maxillofacial Trauma - (SEQs: 1MCQs: 4)**
 - 35.13.1 Radiographic Investigations
 - 35.13.2 Surgical anatomy
 - 35.13.3 First aid
 - 35.13.4 Soft tissue injuries of head and neck
 - 35.13.5 Dentoalveolar injuries
 - 35.13.6 Fractures of mandible
 - 35.13.7 Orbital involvement
 - 35.13.8 Head injuries
 - 35.13.9 Blood and fluid replacement

35.13.10 Mid-face fracture

35.14 Orthognathic surgery & Development Anomalies/Syndromes - (SEQs: 0MCQs: 2)

35.14.1 Introduction

35.14.2 Evaluation and principles of treatment of facial disharmony including excess and deficiency of Mandible and maxilla and craniofacial anomalies

35.15 Surgical Endodontics - (SEQs: 0MCQs: 1)

35.16 Management of Medically Compromised Cases - (SEQs: 1MCQs: 2)

35.16.1 Out-patient and in-patient management

35.16.2 Especially emphasis on cardio-vascular

35.16.3 Respiratory disorders

35.16.4 Immunocompromised

35.16.5 Blood dyscrasias etc

35.17 Dental Implantology - (SEQs: 0MCQs: 2)

35.17.1 Indications

35.17.2 Contraindications

35.17.3 Types

35.17.4 Surgical technique

35.17.5 After-care

35.18 Forensic Dentistry - (SEQs: 0MCQs: 1)

35.19 Dental Radiology -(SEQs: 0MCQs: 1)

35.20 Ethics in Dentistry-(SEQs: 0MCQs: 1)

35.21 Practice Management -(SEQs: 0MCQs: 1)

Total MCQ: 40. TOTAL_SEQ: 8

TABLE OF SPECIFICATIONS (THEORY)

SUBJECT: ORTHODONTICS –Final Prof - BDS

Total Marks: 100, No of MCQs: 40, No of SAQs: 8, Total MCQs Marks: 40, Total SAQs Marks: 40, Internal Assessment: 20

36.1 Introduction - (SEQs: 0MCQs: 1)

36.2 Growth and Development - (SEQs: 2MCQs: 10)

36.2.1 Prenatal and post natal

36.2.2 Development of Dentition and Occlusion

36.2.3 Occlusion

36.3 Diagnosis - (SEQs: 1MCQs: 7)

36.3.1 Etiology of Malocclusion

36.3.2 Orthodontic Diagnosis

36.3.3 Malocclusion, classification and presentation

36.3.4 Dealing with medical problems in Orthodontic patients

36.4 Biomechanics - (SEQs: 2MCQs: 7)

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- 36.4.1 Biologic basis of Orthodontic tooth movement
- 36.4.2 Mechanical Principles of Orthodontic tooth movement
- 36.4.3 Anchorage

36.5 Treatment Planning - (SEQs: 2MCQs: 9)

- 36.5.1 Preventive and Interceptive treatment
- 36.5.2 Functional Jaw Orthopedics
- 36.5.3 Treatment of class I malocclusion
- 36.5.4 Treatment of class II malocclusion
- 36.5.5 Treatment of class III malocclusion
- 36.5.6 Orthodontic treatment of cleft cases
- 36.5.7 Brief Introduction of cases needing orthognathic surgery
- 36.5.8 Side Effects of Orthodontic Treatment
- 36.5.9 Treatment planning of various skeletal and Dental Malocclusions

36.6 Appliances - (SEQs: 1MCQs: 6)

- 36.6.1 Retention and Relapse
- 36.6.2 Removable appliances
- 36.6.3 Fixed Appliances

Total MCQ: 40. TOTAL_SEQ: 8

Appendage 3314

ADOPTION OF HEC GUIDELINES FOR ADMISSION TO MS (SCM) PROGRAM FOR NON-BUSINESS EDUCATION BACKGROUND CANDIDATES

S No	Course Code	Course Description	Credit Hours
1.	ECO 110	Microeconomics	3
2.	MGT 111	Principles of Management	3
3.	ECO 121	Macroeconomics	3
4.	MGT 242	Organizational Theory & Behaviour	3
5.	MGT 301	Business Law	3
6.	HRM 353	Human Resource Management	3
7.	FIN 202	Financial management	3
8.	OPM 360	Operation & Production Management	3
9.	SCM 360	Supply Chain Management	3
10.	MKT 110	Principles of Marketing	3

Appendage 3316**Roadmap of BBA with 14-year education: Compliance to HEC New Policy**Total Credit Hours: **76 Credit Hours****Semester-1:**

Course Code	Subject	CH
ENG 105	Functional English	3
ACC 102	Financial Accounting	3
QTM 120	Business Mathematics-II / Numeracy Skills	3
ECO 200	Economics	3
MKT 110	Principles of Marketing	3
MIS 161	IT in Business (word, excel)	3

Semester-2:

Course Code	Subject	CH
FIN 202	Financial Management	3
ACC 391	Cost and Managerial Accounting	3
MGT 311	Career Exploring Management	3
QTM 205	Statistical Inference and Quantitative Research	3
HSS 301	Social & Psychological Development	3
ENG 132	Oral Communication (Public Speaking)	3

Semester-3:

Course Code	Subject	CH
MIS 460	E Commerce	3
MGT 363	Entrepreneurship	3
BCM 204	Business Communication	3
HRM 353	Human Resource Management	3
	Specialization-1	3
	Specialization-2	3

Semester-4:

Course Code	Subject	CH
SCM 360	Supply Chain Management	3
MGT 463	Corporate Skills	3
MGT 487	Change Management	3
RMT 240	Research Methods and Techniques	3
	Specialization-3	3
	Specialization-4	3

Summer Semester

Course Code	Subject	CH
SOC 111	Pakistan Studies	2
SOC 110/ ETH 102	Islamic Studies / Ethics	2

Note: Internship shall be undertaken after 2nd semester.

Bridging Courses

Course Code	Subject	CH
ACC 110	Financial Accounting	3
ECO 200	Economics	3
FIN 202	Financial Management	3
ACC 304	Cost and Managerial Accounting	3
PAK 101	Pakistan Studies	2
ISL 101	Islamic Studies	2

Electives

Marketing:

Course Code	Subject
MKT 610	International Marketing
MKT 655	Services Marketing
MKT 660	Strategic Marketing
MKT 665	Cases in Marketing
MKT 635	New Product Development
MKT 662	Brand Management
MKT 699	Social Media Marketing
MKT 696	Consumer Behavior And Psychology
MKT 620	Marketing Research
MKT 698	Integrated Marketing Communication
MKT 650	Sales Management
MKT 620	Marketing Research
MKT 672	B to B and Personal Selling
MKT 663	Promotion and Advertising Management
MKT 689	Digital Marketing
MKT 691	Retail and Sales Management
MKT 692	Export Marketing
MKT 693	Marketing Issues in Pakistan
MKT 694	Public Rationing and Relationship Marketing
MKT 695	Agriculture Marketing
MKT 603	Product Management
MKT 604	Distribution Management
MKT 605	Digital Analytics
MKT 606	Electronic CRM
MKT 697	Social Marketing

HRM:

Course Code	Subject
HRM 666	Negotiations and Conflict Management
HRM 648	Organizational Development
HRM 676	International Human Resource Management
HRM 677	Seminars In HRM

HRM 689	Recruitment and Selection
HRM 679	Performance Management
HRM 690	HRM and HRD
HRM 691	Career Planning and Strategic Compensation Management
HRM 660	Training and Development
HRM 670	HR Planning
HRM 664	Job Analysis and Design
HRM 649	HR Research Methods
HRM 682	Industrial Relations and Employment Laws
HRM 671	HR Information Systems
HRM 681	Strategic HRM
HRM 665	HR Theory and Practice
HRM 692	Organizational Psychology

Finance:

Course Code	Subject
FIN 690	Financial Modeling
FIN 698	Strategic Finance
FIN 612	Analysis of Financial Statements
FIN 619	Financial Derivatives
FIN 611	Corporate Finance
FIN 692	Financial Markets and Institutions
FIN 693	Cases in Corporate Finance
FIN 694	Money and Banking
FIN 695	Investment Analysis and Portfolio Management
FIN 635	Management Corporate Turnaround
FIN 696	Financial Reporting
FIN 697	Taxation and Auditing
ACC 622	Accounting Information Systems
FIN 682	Corporate Restructuring
FIN 688	Islamic Finance Theory and Practices
FIN 649	Islamic Banking and Finance
ACC 609	Corporate Law
ACC 608	Advanced Corporate Reporting
FIN 662	Financial Institution Management
FIN 603	Entrepreneurial Finance

Entrepreneurship:

Course Code	Subject
ENT 602	Cases in Entrepreneurship
ENT 603	Developing New Products and Services
ENT 620	Entrepreneurial Strategy in Emerging Markets
ENT 606	Innovations and Entrepreneurship
ENT 607	Managing Entrepreneurial Firms
ENT 608	Social Responsibility and Entrepreneurship
ENT 622	Business Growth and Entrepreneurial Finance

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ENT 612	Entrepreneurial Marketing
ENT 613	Organizations and Leading Change
ENT 614	Economic of Location and Transportation
ENT 621	Retailing and International Entrepreneurship
ENT 617	Corporate Entrepreneurship
ENT 619	Technology Entrepreneurship

MIS:

Course Code	Subject
MIS 655	Database Management System
MIS 620	System Analysis and Design
MIS 679	Enterprise Resource Planning (ERP) Implementation
MIS 672	Web Application Development
MIS 625	Business Process Re-Engineering
MIS 680	Data Communication and Networking
MIS 681	Information Security and System Auditing
MIS 657	Knowledge Management Systems and Technologies
MIS 658	Business Intelligence and Decisions Support
MKT 605	Digital Analytics
MKT 607	Electronic CRM

SCM:

Course Code	Subject
SCM 619	Strategic SCM
OPM 611	Operations and Production Management
SCM 650	Total Quality Management
SCM 600	Inventory Management
SCM 614	Strategic Operation Management
SCM 615	Sourcing and Logistics Management
SCM 616	Supply Chain Modeling
SCM 617	Demand Forecasting
SCM 618	Pricing In SCM
SCM 520	Purchasing
SCM 630	Strategic Procurement in Supply Chain
SCM 631	Operational Planning in Supply Chain
SCM 632	Execution and Control of Operations in SCM
SCM 633	Master Planning of Resources in SCM
SCM 634	Detailed Scheduling and Planning In SCM
SCM 635	Strategic Management of Resources In SCM
SCM 636	Green Supply Chain Management – GSCM
SCM 637	Shipping in SCM
SCM 639	Operational Planning in Supply Chain
SCM 638	Supply Chain Strategy, Design and Compliance
SCM 640	Supply Chain Implementation and Operations
SCM 701	Fundamentals of Supply Chain Management

Foreign Languages

CLE 401	Chinese Language
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Islamabad Bar Council

3rd Floor, Federal Judicial Complex | G-11/1, Mauve Area, Islamabad.
Ph: 051-9320228 Web: www.ibc.org.pk

No. 225/SEC/TEC/18

Date: 29-05-2018

The Head,
Department of Law,
Baharia University,
Shangrila Rd, Sector E-8,
Islamabad.

Subject: Inspection Report of the Commission for Law Colleges of Federal Capital/ICT.

Dear Sir,

Kindly find enclosed herewith a copy of the final Report presented by the Commission constituted by the Hon'ble Supreme Court of Pakistan.

Commission has presented its Report to the Special Committee on 23-05-2018 in its meeting at 04:00 p.m. in office of the Pakistan Bar Council.

This report is forwarded to you for your record, information and necessary compliance.

With best regards.

FIAZ AHMAD ANJUM JANDRAN
29/05/2018
(Fiaz Ahmad Anjum Jandran)
Member, Commission/Vice Chairman,
Islamabad Bar Council

BAHARIA UNIVERSITY, SECTOR E-8, ISLAMABAD.

i. Building

One floor of one block of a building of the university is specified for LLB programme but classes for LLM are also conducted in the same floor. The university is currently offering LLB 5 years programme which consists upon ten semesters.

ii. Class Rooms

Total number of classrooms are 5 for Law Department.

iii. Library

Library of the University is very excellent and up to the mark.

iv. Common Room Male/Female

There is one common room for female students.

v. Canteen

University has a cafeteria for students of all disciplines which is also used/shared by the students of the Law Department.

vi. Number of seats allocated

Baharia University take intake in Spring and Fall Semesters, Intake of Department of Law is 50 students in each semester with total number of 100 students in a year.

vii. Faculty

Department of Law of the University has 10 permanent/regular Faculty Members whereas the visiting faculty members are 19.

Recommendation:

Appendage 3324**PROPOSAL TO FORWARD THESIS/PROJECT/INTERNSHIP & CSP RESULTS ON PROSCRIBED PROGRAMME VIA CMS****Form No: TRAL-1****Thesis Result Award List**

Campus Name: _____

Course Code: _____

Semester: Fall/Spring (Strike out in applicable)

Credit Hours: _____

Program: _____

S. No	Reg . #	Enrol ment #	Student's Name	Title of Thesis	Date of Submission	Date of Viva	Thesis Completi on Date	Total Marks (Out of 100)	Grade Awarded	Internal/ External Examiner / Supervisor Name
1										
2										

Research Coordinator_____
Head of Department

Date: _____

Dean/Director Campus**Form No: PRAL-1****Project Result Award List**

Campus Name: _____

Course Code: _____

Semester: Fall/Spring (Strike out in applicable)

Credit Hours: _____

Program: _____

S. No	Reg. #	Enrolment #	Student's Name	Project Title	Name of Company	Date of Submission	Viva Date	Project completion Date	Total Marks (Out of 100)	Grade Awarde d	Internal/ External Examiner / Supervisor Name
1											
2											

Research Coordinator_____
Head of Department

Date: _____

Dean/Director Campus

Internship Result Award List

Campus Name: _____
 Semester: Fall/Spring (Strike out in applicable)
 Program: _____

Course Code: _____
 Credit Hours: _____

S. No	Reg. #	Enrolment #	Student's Name	Company Name	Duration (From-To)	Date of Submission	Internship Completion Date	Total Marks Out of 100	Grade Awarded	Examiner Name
1										
2										
3										

Internship Coordinator_____
Head of Department_____
Date: __________
Dean/Director Campus_____
Form No: CRAL – 1**CSP Result Award List**

Campus Name: _____

Course Code: _____

Semester: Fall/Spring (Strike out in applicable)

Contact Hours: _____

Program: _____

S. No	Batch	Enrolment #	Student's Name	Organization / Activity Performed	CSP Completion Date
1					
2					
3					

CSP Coordinator_____
Manger SFC_____
Head of Department_____
Date: __________
Dean/Director Campus

Appendage 3326**BAHRIA UNIVERSITY MEDICAL & DENTAL COLLEGE****MPhil ANATOMY PROGRAM ELECTIVE COURSE****SELECTION BY CANDIDATE****SEMESTER-2****ELECTIVE-I**

S No	Name of candidate	Course title selected	Signature of candidate
1.			
2.			
3.			
4.			

*Please see the attached list and choose only one course title.

Name of student:

MPhil Program:

Batch of student:

Enrollment No:

Date:

Signature:

ANATOMY ELECTIVE COURSES

Sr.No.	Course Title	Credit Hours
1	Tissue processing	3(1+2)
2	Cadaveric dissection	3(1+2)
3	Advanced microscopic techniques	3(1+2)
4	Microscopic structure of Tissue	3(2+1)
5	Developmental Anatomy	3(2+1)
6	Musculoskeletal system	3(2+1)
7	Cardiovascular & Respiratory system	3(2+1)
8	Urogenital system	3(2+1)
9	Reticulo-endothelial system	3(2+1)

PATHOLOGY ELECTIVE COURSES

Sr.No.	Course Title	Credit Hours
A	Histopathology	
1.	Tissue processing for histopathology	3(1+2)
2.	Histopathology laboratory procedures & reporting	3(1+2)
3.	Molecular pathology laboratory- related to tissue pathology	3(1+2)
4.	Endocrine & Renal disorders	3(1+2)
B	Microbiology	

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1.	Microbiology laboratory - procedures & reporting	3(1+2)
2.	Virology	3(1+2)
3.	Parasitology	3(1+2)
4.	Molecular pathology laboratory- related to infectious diseases	3(1+2)

PHARMACOLOGY ELECTIVE COURSES

Sr.No.	Course Title	Credit Hours
1	Tissue Processing	3(1+2)
2	Drug Bio-screening & Herbal Medications	3(2+1)
3	Neuropharmacology	3+0
4	Endocrine & Gastrointestinal Pharmacology	3+0
5	Chemotherapy	3+0
6	Toxicology	3+0
7	Pharmacogenetics	3+0
8	Autacoids & Analgesics	3+0
9	Age specific Pharmacotherapy	3+0
10	Dental Pharmacology	3+0

MPhil ANATOMY PROGRAM ELECTIVE COURSE

SELECTION BY CANDIDATE

SEMESTER-3

ELECTIVE-II

S No	Name of candidate	Course title selected	Signature of candidate
1.			
2.			
3.			
4.			

*Please see the attached list and choose only one course title.

Name of student:

MPhil Program:

Batch of student:

Enrollment No:

Date:

Signature:

MPhil ANATOMY PROGRAM ELECTIVE COURSE

SELECTION BY CANDIDATE

SEMESTER-3

ELECTIVE-III

S No	Name of candidate	Course title selected	Signature of candidate
1.			
2.			

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3.			
4.			

*Please see the attached list and choose only one course title.

Name of student:

MPhil Program:

Batch of student:

Enrollment No:

Date:

Signature:

Appendage 3327**TEACHING INTERNSHIP MPHIL PROGRAM****SEMESTER-1 MED 718****SEMESTER-2 MED 719****SEMESTER-3 MED 720****RESPONSIBLE FACULTY:**
PHARMACOLOGY**1. HOD – ANATOMY / PATHOLOGY /****2. HOD - DME**

#	teaching internship items/ strategies	Time allocation per week	Semester 1	Time allocation per week	Semester 2	Time allocation per week	Semester 3	Time allocation per week	Semester 4
1.	Interactive sessions								
2.	Practical/ lab session/ development								
3.	PBL development & presentation								
4.	PBL running								
5.	Case development & presentation								
6.	Demonstrations / DME workshops								
7.	Dissections / CME								
8.	BCQs development / presentation								
9.	SEQs development / presentation								
	Total	15 hrs	240 hrs	15 hrs	240 hrs	08 hrs	128 hrs	02 hrs	32 hrs

Appendage 3331**SOP FOR OUTBOUND EXCHANGE STUDENTS FOR MONTANA STATE UNIVERSITY BILLINGS**

- a) Based on the maximum provision of students to be sent in an academic year, as permitted by Montana State University Billings (MSUB), there shall be students selected from each campus of Bahria University including, Islamabad, Karachi & Lahore, to go on the exchange program to MSUB. In case suitable candidate(s) are not available in a campus, the seat may be transferred to the other campus.
- b) The recommendation of students is to be made by the following authorities:

<u>CAMPUSES</u>	<u>Nominating Authority</u>
• BUIC	Director Campus Islamabad
• BUKC	Director Campus Karachi
• IPP	Dean/Director Professional Psychology
• BULC	Director Campus Lahore

- c) The above authorities will interview and shortlist students from their respective campuses based on following selection criteria, which should reflect the highest quality of students:

Selection Criteria:

- i. The students must be a regular student of Bahria University taking full course load.
 - ii. The minimum CGPA of the student should be 3.0.
 - iii. The student must have studied for more than a year (2 semesters) with Bahria University.
 - iv. The student must be proficient in English and have good communication skills.
 - v. The student must not have any disciplinary cases against them and should be void of any attitude problem.
- d) The shortlisted students will be re-evaluated by a following member committee at Bahria University to shortlist students for final approval of Rector:

i. Pro-Rector	-	Chairperson
ii. Registrar	-	Member
iii. Director Academics	-	Member
iv. Director Admissions	-	Member
v. Director Examinations	-	Member
vi. Director Students Affairs	-	Member
vii. Director International Office	-	Member

- e) The selected students must sign a written bond with Bahria University to return to Pakistan to continue their remaining studies with Bahria University or to complete remaining degree requirements.
- f) The responsibility of accommodation arrangement in USA, during the course of stay, will be on student. The International office will assist the selected students in finding suitable

accommodation. In addition to the expenses pertaining to accommodation, students will also be responsible for travelling & visa/pass expenses, medical/health insurance or any additional service charges MSUB will assign against the applicant.

- g) The student will defer their semester prior going to MSUB, under the Exchange Programme. There shall be no tuition fee charged for this process. The decision on duration & number of semesters, to defer, is to be taken by the relevant Head of Department according to number of days the student will spend at MSUB under exchange program. The student must adhere to departure and return dates as specified by his/her department.
- h) The duration of the semester(s) studies abroad will not be counted towards the calculation of time bar.

Eligibility for Honors & Awards:

- i) Students availing the exchange programme at the MSUB will be eligible for academic honors & awards, as long as they are taking full semester loads in their studies at Bahria University.
- j) If, as a result of the exchange activity, any of their courses are affected, these students would be permitted to make up for the shortfall (of the affected courses only) on return to Bahria University either during the summer sessions, if offered, or during succeeding regular semester, in excess to their regular course load.
- k) If during the summer session,
 - i. the students take shortfall courses, they will be awarded actual grades and no capping will apply.
 - ii. the students take any course, which were not affected by the exchange programme, summer session rules will apply and the students will become ineligible for Honors & Awards.

Transfer of Credits as a result of an Outbound Exchange Program:

- l) Student interested in registering for the courses at MSUB for which they can avail **credits transfer** at Bahria University, shall be properly advised by the relevant Head of Department about the compatibility of the courses they wish to take, based on the course content, before departure.
- m) The student must inform their Head of Department about the possible courses they wish to take at MSUB along with the course outline. A preliminary meeting of the Equivalence Committee should take place, before the departure of student. The committee shall give clear instructions to the student, in writing, on a prescribed form (attached), on the course(s) he/she can take to avail **credits transfer**, against course(s) of similar nature, at Bahria University as per the road map of the program he/she is studying.
- n) The final decision on **credits transfer** is to be taken, on return of the student, and successful completion of the courses, as per following criteria:
 - i. Students applying for **credits transfer** are to submit original interim transcript and the course outlines of the course(s) studied at MSUB to their relevant Head of Department (HOD) on return. The HOD will then formulate an Equivalence Committee to make final recommendations to their relevant Director of Institute.

The Director will then forward recommendation of the Equivalence Committee for final approval to Director Academic Affairs. There shall be no fee charged from the student for **credits transfer**.

- ii. **Credits transfer** of courses will only be allowed for Degree level programs (*equivalent to similar level program at Bahria University*) offered on campus.
- iii. **Credits transfer** for only those courses will be allowed for which a course with similar standard, credit hours and matching description is available in the relevant academic program of Bahria University. As the marking criteria at MSUB is slightly different from what is followed at Bahria University, therefore following grade mapping mechanism is to be followed:

S #	Grade at MSUB	Grade value at MSUB	Equivalent Grade at Bahria University (Old Grading System)	Equivalent Grade at Bahria University (New Grading System)
a	A	4.0	A	A
b	A-	3.7	B+	A-
c	B+	3.3		B+
d	B	3.0	B	B
e	B-	2.7		B-
f	C+	2.3	C+	C+
g	C	2.0	C	C
h	C-	1.7		C-
j	D+	1.3	D	D+
K	D, D-	1, 0.7		D-
I	F, P	0, 0	F	F

- iv. The courses must equate in description and laboratory work, if any, with the similar course of the relevant academic program of Bahria University.
- v. **Credits transfer** of courses equating to maximum of 50% of the total credit hours of the relevant academic program of Bahria University will be allowed.

SOP FOR INBOUND EXCHANGE STUDENTS FROM MONTANA STATE UNIVERSITY BILLINGS

- a) Bahria University will accept students from Montana State University Billings (MSUB) under the exchange program in any given academic year. The maximum number of students to be accepted will be decided for each department in consultation with the Dean and relevant HoD.
- b) Only students recommended by the International office of MSUB will be entertained under this arrangement.
- c) The inbound students from MSUB will be advised on the availability of courses, which they want to take at Bahria University, after consultation with the HOD of the relevant department. The HOD must ensure that there are no clashes between the selected courses by the individual.
- d) The student will be responsible for own accommodation arrangement in Pakistan, but the International office of BU will assist in finding suitable accommodation.

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- e) There shall be no tuition fee charged by Bahria University from students of MSUB under student's Exchange program.
- f) On successful completion of the course work at Bahria University, the student will be responsible to meet the **credits transfer** requirements of MSUB as per its own policy. Bahria University will only award official interim transcript to the student for courses he / she has studied at Bahria University.

Faculty of Humanities & Social Sciences**Courses with missing ACM references**

S. No	Course Code	Course Title	Credit Hours	Offered Semester	BU System Entry
1	BES 105	Argumentation & Presentation Skills	3	Spring - 2015	19-AUG-2015
2	HSS 213	Development of Western Civilization	3	Fall-2007	
3	IRS 414	Dialectics of Modern Civilizations	3	Fall-2007	19-AUG-2015
4	PHY 101	Environmental Physics	3	Fall-2014	19-AUG-2015
5	MST 460	E-Production	3	Fall-2007	19-AUG-2015
6	DST 304	Foundation of Social Policy	3	Spring-2016	
7	HSS 116	French	3	Fall-2007	19-AUG-2015
8	ENV 200	Fundamentals of Ecology	3	Fall-2007	19-AUG-2015
9	HSS 205	Global Population Problems	3	Fall-2007	19-AUG-2015
10	HSS 301	Globalization & Developing Societies	3	Fall-2007	19-AUG-2015
11	HSS 109	Group Dynamics	3	Fall-2007	
12	HSS 221	Introduction to Literature - II	3		
13	MST 462	Managerial Communication	3	Fall-2007	19-AUG-2015
14	HSS 114	Political History of Pakistan	3	Fall-2007	19-AUG-2015
15	IRS 324	Social & Political Movements	3	Fall-2007	19-AUG-2015
16	HSS 210	Social Change & Development	3	Fall-2007	19-AUG-2015
17	HSS 306	South Asian History: The Colonial Period	3	Fall-2007	19-AUG-2015
18	DST 306	Sustainable Development & Livelihood strategies	3	Fall-2007	19-AUG-2015
19	HSS 211	Technology, Politics & Social Change	3	Fall-2007	19-AUG-2015

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20	HSS 208	Theories of Conditioning & Learning	3	Fall-2007	19-AUG-2015
21	HSS 212	Women & Politics	3	Fall-2007	19-AUG-2015
22	HSS 302	Women in Developing Societies	3	Fall-2007	19-AUG-2015
23	MST 453	Writing for Op-Ed page	3	Fall-2007	19-AUG-2015

Faculty of Management Sciences

Courses with missing ACM references

S. No	Course Code	Course Title	Credit Hours	Offered Semester	BU System Entry
1	MHO 817	Abnormal Psychology	3		24-JAN-2018
2	FIN 650	Analysis of Financial Time Series	3		
3	ENT 601	Building Culture of Innovation through Effective Leadership	3		19-AUG-2015
4	HRM 667	Business Negotiation	3		19-AUG-2015
5	EMG 602	Business Process Analysis & Development	3	FALL - 2016	30-JAN-2018
6	MGT 812	Buyer Behavior : Concepts & Applications	3	FALL - 2016	19-AUG-2015
7	MKT 685	Client Management	3		19-AUG-2015
8	ENT 604	Entrepreneurial Strategy	3		19-AUG-2015
9	ENT 605	Entrepreneurship in Emerging Markets	3		19-AUG-2015
10	MGT 826	Global Security	3		19-AUG-2015
11	ENT 609	Introduction to Business Growth	3		19-AUG-2015
12	FIN 204	Introduction to Finance	3	FALL - 2017	21-MAY-2018
13	MKT 690	Packing & Printing	3		19-AUG-2015
14	SDR 901	PhD Thesis	36		19-AUG-2015
15	SDW 680	Project/ Thesis	6	THESIS/ INTERNSHIP - 2019	13-SEP-2018
16	BES 106	Research Methodology	3	FALL - 2014	
17	MKT 654	Retail Management	3		19-AUG-2015
18	HRM 669	Strategic Issues in HRM	3	FALL - 2017	19-AUG-2015

Appendage 3335**REVIEW OF DUPLICATED COURSE TITLES (CORRECTED)**

S. No	Course Title	Previous Course Code	New Course Code	Changes Incurred	Recommendations	Corrections
1.	Biostatistics – I	BST 106	BST 305	As per 2011 DPT curriculum, the Course was offered in 1st semester. Contents changes in 2016 curriculum are less than 20%, while the course is now offered in 3rd semester.	New Course Code for revised curriculum (approved in 32nd ACM) may be retained due shifting of semester, to abide by BU Policy for Course Codes allocation.	As per 2011 DPT curriculum, the Course was offered in 1st semester. Contents changes in curriculum are less than 20%, while the course now offered in 3 rd year (5 th semester).
2.	Biostatistics – II	BST 112	BST 311	As per 2011 DPT curriculum, the Course was offered in 2nd semester. Contents changes as per 2016 curriculum are less than 20%, while the course is now offered in 4th Semester.	- do -	As per 2011 DPT curriculum, the Course was offered in 2nd semester. Contents changes as 2016 curriculum are less than 20%, while the course is now offered in 3 rd year (6th Semester).
3.	Introduction to Computer	ITC 202	ITC 106	As per 2011 DPT curriculum, the Course was offered in 3rd semester. Contents changes as per	- do-	New course code is ITC 106

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				2016 curriculum are less than 20%, while the course is now offered in 1st Semester.		
4	Manual Therapy	MAT 311	MAT 504	As per 2011 DPT curriculum, the Course was offered in 6 th semester. Contents changes as per 2016 curriculum are less than 20%, while the course is now offered in 9 th semester.	- do-	----
5	Prosthetics & Orthotics	PRO 411	PRO 502	As per 2011 DPT curriculum, the Course was offered in 8 th semester. Contents changes as per 2016 curriculum are less than 20%, while the course is now offered in 9 th semester.	- do-	----
6*	Scientific Inquiry & Research Methodology	SRM 504	SRM 410	As per 2011 DPT curriculum, the Course was offered in 9th semester. Contents changes as per 2016 curriculum are less than 20%, while the course is now offered in 8th Semester.	- do-	Changes greater than 20 %

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7*	Sociology	SOC 305	SOC 112	As per 2011 DPT curriculum, the Course was offered in 5th semester. Contents changes as per 2016 curriculum are less than 20%, while the course is now offered in 2nd Semester.	- do-	Changes greater than 20 %
8*	Evidence Based Practice	EBP 405	EBP 410	As per 2011 DPT curriculum, the Course was offered in 8th semester. Contents changes as per 2016 curriculum are less than 20%, while the course is now offered in 7th Semester.	- do-	Previous course code EBP 410 New course code EBP 405
9*	Health Wellness &	HEW 306	HEW 209	As per 2011 DPT curriculum, the Course was offered in 5th semester. Contents changes as per 2016 curriculum are less than 20%, while the course is now offered in 4th Semester.	Previous course code may be retained due curriculum changes less than 20%, as well as shifting of the course within the same academic level (4th Academic Year).	Changes greater than 20 %. Recommendation of shifting of the course in the 2 nd year (2016)
10	Pharmacology I	PHR 204	PHA 302	Earlier code pertains to similar titled course for BSN Program, with much different curriculum than the course for DPT program.	Course title for DPT Program may be amended as 'Pharmacology-I (DPT)'	-----

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11	Pharmacology II	PHR 211	PHA 309	Earlier code pertains to similar titled course for BSN Program, with much different curriculum than the course for DPT program.	Course title for DPT Program may be amended as 'Pharmacology-II (DPT)'	-----
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Appendage 3336**Amendment of Duplicate Course Title in BS MLT (Medical Lab Technology)**

Item No.	Course Codes	Title in Draft MOM	Corrected Course Title
3209	PAT 740	General and Pathology I (H) Basic Microbiology	General Pathology and Microbiology
3209	PAT 741	Special Pathology II (H) Special Bacteriology and Mycology	Special Pathology, Bacteriology and Mycology
3209	PHA 302	Pharmacology I	Pharmacology for DPT - I
3209	PHA 309	Pharmacology II	Pharmacology for DPT - II
3209	EPD 404	Epidemiology	Epidemiology for MLT

BAHRIA UNIVERSITY ISLAMABAD CAMPUS		
DEPARTMENT OF LAW		
SCHEME OF STUDIES FOR LLM GENERAL - 2 YEAR PROGRAM		
DESCRIPTION	NO OF SUBJECTS	CREDITS
Compulsory Course	1	3
Optional	7	21
Thesis I/Thesis II	1	6
TOTAL	9	30
SEMESTER 1		
COURSE CODE	COURSE TITLE	CREDIT HOUR
LLM 700	RESEARCH METHODOLOGY	3
LLM XXX	Elective I	3
LLM XXX	Elective II	3
LLM XXX	Elective III	3
SEMESTER 2		
COURSE CODE	COURSE TITLE	CREDIT HOUR
LLM XXX	Elective IV	3
LLM XXX	Elective V	3
LLM XXX	Elective VI	3
LLM XXX	Elective VII	3
SEMESTER 3		
COURSE CODE	COURSE TITLE	CREDIT HOUR
LLM 725	THESIS I	3
SEMESTER 4		
COURSE CODE	COURSE TITLE	CREDIT HOUR
LLM 725	THESIS II	3

LL.M Elective Courses		
Sr.No	Course Code	Subject Title
1	LLM 701	ADMINISTRATIVE LAW
2	LLM 702	ALTERNATE DISPUTE RESOLUTION
3	LLM 703	BANKING BLAW
4	LLM 704	COMMERCIAL/ BUSINESS LAW
5	LLM 705	COMPANY/ CORPORATE LAW
6	LLM 706	COMPARATIVE CONSTITUTIONAL LAW
7	LLM 707	COMPARATIVE ENVIRONMENTAL LAW
8	LLM 708	COMPARATIVE HUMAN RIGHTS LAW
9	LLM 709	COMPARATIVE STUDY OF ISLAMIC AND WETERN JURISPRUDENCE

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10	LLM 710	CONSTITUTIONAL LAW OF PAKISTAN
11	LLM 711	CRIMINOLOGY
12	LLM 712	INTELLECTUAL PROPERTY LAWS
13	LLM 713	INTERNATIONAL ECONOMIC LAW
14	LLM 714	INTERNATIONAL TRADE LAW
15	LLM 715	ISLAMIC LAW
16	LLM 716	LABOUR LAW
17	LLM 717	LAW AND POLITICS
18	LLM 718	LAW AND SOCIETY IN SOUTH ASIA
19	LLM 719	LAW OF EVIDENCE
20	LLM 720	LAW OF INTERNATIONAL INSTITUTIONS
21	LLM 721	LAW OF TAXATION
22	LLM 722	LEGAL HISTORY OF PAKISTAN AND INDIA
23	LLM 723	SHIPPING LAW
24	LLM 724	WESTERN JURISPRUDENCE AND LEGAL THEORY