**AKASH INSTITUTE OF MEDICAL SCIENCES AND RESEARCH CENTRE**

**FOUNDATION COURSE SCHEDULE FOR I MBBS STUDENTS 2022**

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| **Date** | **9:00-10:00** | **10:00-11:00** | **11:00-12:00** | **12:00-01:00** | **01:00-02:00** | **02:00-04:00** | | **04:00-05:00** |
| Monday | Key note address by Principal | Faculty Introduction Department of Anatomy-HOD | Faculty Introduction Department of Physiology-HOD | Faculty Introduction Department of Biochemistry-HOD | Lunch Break | Student Self introduction(All 3 pre-clinical departments) | | Sports |
| Tuesday | Physicians role in society(Lecture) | Physicians role in society (Panel discussion) | Student expectation from society, institution, teachers, peers and colleagues(lecture) | Student expectation from society, institution, teachers, peers and colleagues(Panel discussion) | Lunch Break | Pre-clinical departments tour in 3 groups | | Sports |
| Wednesday | MBBS curriculum description – Graduate Medical Education Regulations 2019-Salient features(including university rules regarding examination and attendance) | | Career pathway and personal growth | | Lunch Break | Role at various levels of healthcare delivery system | | Sports |
| Thursday | Rules and regulation in the institutions | Facilities at the institution | Hospital visit and facility visit (All 3 pre-clinical departments) | | Lunch Break | Hospital visit and facility visit (All 3 pre-clinical departments) | | Sports |
| Friday | Alternate health systems in country and history of medicine | | National Health Priorities and Policies | | Lunch Break | Priorities of primary care | | Sports/ECA |
| Saturday | Patients safety and Biohazard safety | Time management | Stress management | Use of information technology | Lunch Break | Learning including self directed learning  (2:00-3:00) | Interpersonal relationships  (3:00-4:00) | Sports |

Foundation COURSE 2021-2022- First Week

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| **Date** | **9:00-11:00** | **11:00-1:00** | | **1:00-2:00** | **2:00-4:00** | **4:00-5:00** |
| Monday | AETCOM | Universal precautions and vaccination | | Lunch break | Language(Kannada/English) | Sports/ECA |
| Tuesday | AETCOM | Time management- Role play(11:00-12:00) | ECA(12:00-1:00) | Lunch break | Language(Kannada/English) | Sports/ECA |
| Wednesday | AETCOM | Principles of first aid | | Lunch break | Language(Kannada/English) | Sports/ECA |
| Thursday | AETCOM | First aid – DOAP session | | Lunch break | Language(Kannada/English) | Sports/ECA |
| Friday | AETCOM | First aid – DOAP session | | Lunch break | Language(Kannada/English) | Sports/ECA |
| Saturday | AETCOM | First aid – DOAP session | | Lunch break | Language(Kannada/English) | Sports/ECA |

Foundation COURSE 2021-2022- IInd Week

Foundation COURSE 2021-2022- IIIrd Week

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| **Date** | **9:00-11:00** | **11:00-1:00** | **1:00-2:00** | **2:00-4:00** | **4:00-5:00** |
| Monday | AETCOM | BLS-Interactive lecture session | Lunch break | Language(Kannada/English) | Sports/ECA |
| Tuesday | AETCOM | BLS-DOAP session(students divided into 10 groups) | Lunch break | Language(Kannada/English) | Sports/ECA |
| Wednesday | AETCOM | BLS-DOAP session(students divided into 10 groups) | Lunch break | Language(Kannada/English) | Sports/ECA |
| Thursday | AETCOM | Stress management – Role play | Lunch break | Language(Kannada/English) | Sports/ECA |
| Friday | AETCOM | Use of information technology | Lunch break | Language(Kannada/English) | Sports/ECA |
| Saturday | AETCOM | Importance of Yoga and Pranayama in Stress management | Lunch break | Language(Kannada/English) | Sports/ECA |

Foundation COURSE 2021-2022- IVTh Week

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| **Date** | **9:00-11:00** | **11:00-1:00** | **1:00-2:00** | **2:00-4:00** | **4:00-5:00** |
| Monday | AETCOM | Communication | Lunch break | Field visits to CHC-Dept. of Community Medicine | Sports/ECA |
| Tuesday | AETCOM | Communication-Role play and video display on Breaking bad news | Lunch break | Language(Kannada/English) | Sports/ECA |
| Wednesday | AETCOM | Interpersonal relationships | Lunch break | Language(Kannada/English) | Sports/ECA |
| Thursday | AETCOM | Field visits to CHC | Lunch break | Language(Kannada/English) | Sports/ECA |
| Friday | AETCOM | Field visits to CHC | Lunch break | Parents meeting with their wards | Sports/ECA |
| Saturday | AETCOM | Field visits to CHC | Lunch break | Parents meeting with their wards | Sports/ECA |

**Timetable for FIRST month**

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| **Week -1** | **9.00-11.00 AM** | | **11.00-12.00 NOON** | **12.00-1.00 PM** | **1.00-2.00 PM** | **2.00-4.00 PM** | **4.00-5.00 PM** |
| **MON** | AN 1.1 Introduction to anatomical terminology  (Lecture) | | AN 2.1 2.2 2.3 1.2  General features of bones  (Lecture) | PY 1.1  Cell structure and functions&applications in clinical care research  (Lecture) |  | AN 65.1 65.2 Microscope, common objects and simple epithelium(A) (Practical)  PY2.11 microscope and drop of blood(C)  BI 11.1 Batch C (DOAP)  Commonly used lab equipments, safety, waste disposal (Small Group Discussion) | PY 1.1  Cell structure and functions (Small Group Discussion) |
| **TUE** | AN 4.1 4.2  Describe different types of skin and dermatomes in body  Structure and function of skin  (Small group discussion) | | PY1.2  Homeostasis and disturbances  (Lecture)  Lecture) | AN 2.4 Describe types of cartilage and their distribution in the body  (VI OR) (Lecture) | AN 65.1 65.2 Microscope, common objects and simple epithelium(B) (Practical)  PY2.11 microscope and drop of blood(A)  BI 11.1 Batch A (DOAP)  Commonly used lab equipments, safety, waste disposal (Small Group Discussion) | AN General features of bone (Student seminar)  Self directed learning |
| **WED** | AN 4.3 4.4 4.5  Superficial fascia, deep fascia and principles of skin incision  (Small group discussion) | | BI1.1  Introduction, Scope of Biochemistry in Medicine  (Lecture) | AN 2.5 2.6 General features of joints  (VI OR) (Lecture) | AN 65.1 65.2 Microscope, common objects and simple epithelium(C) (Practical)  PY2.11 microscope and drop of blood(A)  BI 11.1 Batch B (DOAP)  Commonly used lab equipments, safety, waste disposal (Small Group Discussion) | AN General features of cartilage (Student seminar) Self directed learning |
| **THU** | AN 4.3 4.4 4.5  Superficial fascia, deep fascia and principles of skin incision  (Small group discussion) | | AN 65.2 simple epithelium  AN 65.1 65.2 Stratified epithelium, cell modifications and Cell junctions | PY 1.3 Intercellular communication  ( Lecture) | PY 1.3 1.4 1.9  Apoptosis anf mechanisms involved (small group Discussion)  (VI-PA) | AETCOM/Sports  /Language s |
| **FRI** | BI 1.1  Structure & Functions of cell. Subcellular organelles.Fluid mosaic model, cell junctions, inter cellular connection  (Lecture) | 10-11  CM – L 1.1: Concept of Public health | PY1.6  Body fluid compartments  (HI-BI)(Lecture) | BI1.1 Transport mechanisms across the cell membrane  (Lecture) | PY2.11, 2.12  Haemocytometer and behavior of RBC’s in different tonicities of NaCl practical demonstration and discussion(DOAP) | AETCOM/Sports  /Language s |
| **SAT** | AN 3.1 3.2 3.3 (HI PY) General features of Muscles  (Lecture) | Early Clinical Exposure: Anatomy  Rounds to Surgery and orthopedic OPD | | |  | | |

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| **WEEK 2** | **9.00-11.00 AM** | | **11.00-12.00 NOON** | **12.00-1.00 PM** | **1.00-2.00 PM** | **2.00-4.00 PM** | **4.00-5.00 PM** |
| **MON** | AN 2.1 2.2 2.3 1.2 2.4  Introduction to cartilage and bones  (Small group discussion) | | AN 5.1 -5.8 General features of Cardiovascular system (HI PY, VI IM, PA)  (Lecture) | PY1.5  Transport across cell membrane-I  (Lecture) | **L**  **U**  **N**  **C**  **H**  **B**  **R**  **E**  **A**  **K** | AN 65.1 65.2 Microscope, common objects and simple epithelium(A)(Practical)  AN 65.1 65.2 Stratified epithelium(A)  PY2.11 Microscope and drop of blood(B) (DOAP)  BI 11.3, 11.4(C)  Analysis of normal constituents of Urine  (Practiclal ) | AN 66.1 66.2 Histology - Connective tissue(HI PY) (Lecture) |
| **TUE** | AN 2.5 2.6Introduction to Joints  (Small group discussion) | | PY1.5  Transport across cell membrane-II  (Lecture) | AN 6.1 6.2 6.3 General features of lymphatic system (VI SU) (Lecture) | AN 65.1 65.2 Stratified epithelium(B) (Practical)  PY2.11, 2.12Haemocytometer and behavior of RBC’s in different tonicities of NaCl (C) (DOAP)  BI 11.3, 11.4(A)  Analysis of normal constituents of Urine (Practiclal )) | PY1.6  Body fluid compartments  (Small Group Discussion) |
| **WED** | AN 3.1 3.2 3.3 7.1-7.8 Introduction to muscles, vessels and nerves  (Small group discussion) | | BI 3.1  Carbohydrates –Importance, Classification, Monosaccharide  (Lecture) | AN 7.1-7.8 Introduction to nervous system (HI PY VI IM)  (Lecture) | AN 65.1 65.2 Stratified epithelium(C) (Practical)  PY2.11, 2.12Haemocytometer and behavior of RBC’s in different tonicities of NaCl (A) (DOAP)  BI 11.3, 11.4(B)  Analysis of normal constituents of Urine (Practiclal ) | PY1.2  Homeostasis and disturbances (Small Group Discussion) |
| **THU** | AN 8.1-8.4 Introduction to Osteology and clavicle (VI OR)  (Small group discussion) | | AN 9.1 Pectoral region  (Lecture) | PY1.7Concept of Ph and buffer systems in the body  (Lecture) | Transport across cell membrane  (small group discussion) | AETCOM/Sports  /Language s |
| **FRI** | BI 3.1  Functions and importance of Monosaccharides & Disaccharides  (Lecture) | 10-11  CM – L 1.2: Concept of health, Holistic health, Determinants of health | PY1.8  Basis of resting membrane potential  (Lecture) | BI 3.1  Classification of polysaccharides & its biomedical importance. Mucopolysachharides &their disorders.  (Lecture) | PY2.11  RBC count practical Demonstration and discussion  (VI PA)  (DOAP) | AETCOM/Sports  /Language s |
| **SAT** | AN 76.1 76.2 Describe the stages of human life, phylogeny, ontogeny, trimester and viability  (Lecture) | Early Clinical Exposure:  PY-Visit to medicine ward - discuss cases of anemia | | |  | | |

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| **WEEK 3** | **9.00-11.00 AM** | | **11.00-12.00 NOON** | **12.00-1.00 PM** | **1.00-2.00 PM** | **2.00-4.00 PM** | **4.00-5.00 PM** |
| **MON** | AN 9.1 Pectoral region  (DOAP) | | AN 9.2 9.3 Breast (VI SU) (Lecture) | PY2.1  Composition and functions of blood and  Plasma proteins(HI-BI)  (Lecture) | **L**  **U**  **N**  **C**  **H**  **B**  **R**  **E**  **A**  **K** | AN 66.1 66.2 Histology - Connective tissue(HI PY) (A) (Practical)  PY2.11, 2.12Haemocytometer and behavior of RBC’s in different tonicities of NaCl (B) (DOAP)  BI 11.3, 11.4(C)  Analysis of normal constituents of Urine (Practiclal | AN 71.1 Histology – Cartilage (VI PA) (Lecture) |
| **TUE** | AN 9.2 9.3 Breast(VI SU)  (DOAP) | | PY2.3  Hemoglobin synthesis and breakdown(HI-BI)  (Lecture) | AN 77.1-77.6 Gametogenesis and fertilization (VI OG) (Lecture) | AN 66.1 66.2 Histology - Connective tissue(HI PY) (B) (Practical)  PY2.11RBC count(C ) (DOAP)BI 11.16(A)  Auto analyser and QC(Practiclal Demonstration)  BI 11.3, 11.4(A)  Analysis of normal constituents of Urine (Practiclal | (Small Group Discussion)  PY2.4  Erythropoiesis and regulation |
| **WED** | AN 10.1 10.2 10.4 10.7Axilla  ( Artery , vein and lymph nodes)  VI SU (DOAP) | | BI 4.1 Lipids – Classification & Fatty acid reaction  (Lecture) | AN 10.1 10.2 10.4 10.7 Axilla – Boundaries and contents, axillary artery, vein and axillary lymph nodes  (VI GS) | AN 66.1 66.2 Histology - Connective tissue(HI PY) (C) (Practical)  PY2.11RBC count(A) (DOAP)  BI 11.3, 11.4(B)  Analysis of normal constituents of Urine (Practiclal | AETCOM/Sports  /Language s |
| **THU** | AN 10.1 10.2 10.4 10.7Axilla  (Artery, vein and lymph nodes) VI GS (DOAP)  AN 8.1-8.4 Scapula (VI OR)  Small group discussion) | | AN 10.3 10.5 10.6 Brachial plexus (VI SU)  (Lecture) | 2.4 Erythropoiesis & Regulation  (Lecture) | 2.4,2.5Erythropoiesis and anemias (small group Discussion) | AETCOM/Sports  /Language |
| **FRI** | BI 4.1  Lipids –cholesterol, lipoproteins, phospholipids,  Glycolipids  (Lecture) | 10-11)  CM – L 1.3: Agent, host and environmental factors in health and disease, Multifactorial aetiology of disease | PY2.6  WBC formation and Types  (Lecture) | BI 4.1  Lipids – Prostaglandins& its importance  (Lecture) | PY2.11  WBC count Demonstration and discussion  (DOAP)  (VI PA) | AETCOM/Sports  /Language |
| **SAT** | AN 10.8 – 10.11, 10.13 Scapular muscles and anastomosis around scapula  (Lecture) | FA: Chemistry of Carbohydrates | | |  | | |

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| **WEEK 4** | **9.00-11.00 AM** | | **11.00-12.00 NOON** | **12.00-1.00 PM** | **1.00-2.00 PM** | **2.00-4.00 PM** | **4.00-5.00 PM** |
| **MON** | AN 10.3 10.5 10.6 Brachial plexus (VI SU) (DOAP)  AN 8.1-8.4 Humerus (VI OR)  (Small group discussion) | | AN 11.1 11.2 11.3 11.5 11.6 Front of arm and cubital fossa (VI SU) (Lecture) | PY2.10  WBC:Functions including inflammation  (Lecture) | **L**  **U**  **N**  **C**  **H**  **B**  **R**  **E**  **A**  **K** | AN 71.1 Histology – Cartilage (VI PA) (A) (Practical)  PY2.11RBC count(B) (DOAP)  BI 11.20, 11.4(C)  Analysis of pathological constituents of Urine (DOAP) | AN 71.2 Histology – Bone (VI PA) (Lecture) |
| **TUE** | AN 10.3 10.5 10.6 Brachial plexus  (VI SU) (DOAP) | | PY2.10  Immunity-I  (Lecture) | AN 8.1 8.2 8.3 Second week of development (Cleavage, blastocyst, trophoblast and implantation) VI OG  (Lecture) | AN 71.1 Histology – Cartilage (VI PA) (B) (Practical)  PY2.11WBC Count(C) (DOAP)  BI 11.20, 11.4(A)  Analysis of pathological constituents of Urine (DOAP) | (Seminar/self directed learning)  PY2.5  Anaemia |
| **WED** | AN 10.8 – 10.11, 10.13 Scapular muscles ( Thrapezius, Latisimussdorsi, deltoid and rotator cuff muscles) (DOAP) | | BI 5.1  Proteins – Definition, Importance & Classification  (Lecture) | AN 11.1 11.4 Back of arm  (Lecture) | AN 71.1 Histology – Cartilage (VI PA) (C) (Practical)  PY2.11WBC Count(A) (DOAP)  BI 11.20, 11.4(B)  Analysis of pathological constituents of Urine (DOAP) | AETCOM/Sports  /Language s |
| **THU** | AN 11.1 11.4 Back of arm  (Small group discussion)  AN 8.1-8.4 Radius and ulna (VI OR) (DOAP) | | AN 12.1 12.3 12.4 Front of forearm  (Lecture) | 2.5Jaundice  ((VI-PA) (Lecture | PY 2.10-Immunity – small group teaching | AETCOM/Sports  /Language s |
| **FRI** | BI 5.1  Proteins – structure, Structural organization, Isoelectric pH, Denaturation, sequencing  (Lecture) | 10-11  CM – L 1.4: Natural history of disease | PY2.7 2.8  Platelets and hemostasis I  (VI-PA)  (Lecture) | BI 5.2, 6.12  Structure & function of Hb & Myoglobin  (Lecture) | PY2.11  Hemoglobin demonstration and discussion  (VI-PA)(DOAP) | AETCOM/Sports  /Language s |
| **SAT** | AN 12.11 12.13 Muscles of back of forearm and wrist drop (VI SU) (Lecture) | FA: Chemistry of Lipids | | |  | | |

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| **WEEK 5** | **9.00-11.00 AM** | | **11.00-12.00 NOON** | **12.00-1.00 PM** | **1.00-2.00 PM** | **2.00-4.00 PM** | **4.00-5.00 PM** |
| **MON** | AN 12.1 12.3 12.4 Front of forearm (DOAP) | | AN 14 12.15 Extensor retinaculum and extensor expansion formation (VI SU)  (Lecture) | PY2.8  Hemostasis II  (Lecture) | **L**  **U**  **N**  **C**  **H**  **B**  **R**  **E**  **A**  **K** | AN 71.2 Histology – Bone (VI PA) (A) (Practical)  PY2.11WBC Count(B) (DOAP)  BI 11.20, 11.4(C)  Analysis of pathological constituents of Urine (DOAP | AN 67.1 67.2 67.3 Histology – Muscle tissue (HI PY) (Lecture) |
| **TUE** | AN 12.11 12.13 12.14 12.15 Back of forearm(VI SU) (DOAP)  AN 8.5 8.6 Articulated hand (VI OR) (Small group discussion) | | PY3.1  Structure and function of neuron,neuroglia  (HI-AN)  (Lecture) | AN 8.4 8.5 Extraembryonic mesoderm (VI OG)  (Lecture) | AN 71.2 Histology – Bone (VI PA) (B) (Practical)  PY-hematology revision(C) (DOAP)  BI 11.20, 11.4(A)  Analysis of pathological constituents of Urine (DOAP ) | (Seminar/self directed learning)  PY2.8  Hemostasis |
| **WED** | AN 12.11 12.13 12.14 12.15 Back of forearm(VI SU) (DOAP)  AN 8.5 8.6 Articulated hand (VI OR) (Small group discussion) | | BI 5.1, 11.16, 11.19  Classification of Amino acids, Biologically important of peptides  (Lecture) | AN 12.5 12.6 fibrous flexor sheaths, (VI GS) (Lecture | AN 71.2 Histology – Bone (VI PA) (C) (Practical)  PY-hematology revision(C) (DOAP)  BI 11.20, 11.4(B)  Analysis of pathological constituents of Urine (DOAP | AETCOM/Sports  /Language s |
| **THU** | AN 12.11 12.13 12.14 12.15 Back of forearm(VI SU) (DOAP) | | AN 12.8, 12.9 Small muscles of hand, Claw hand (VI GS)  (Lecture) | PY3.2 Properties of nerve fiber I  (VI-PA) | PY 1.8  Action potential(small group demonstration) | AETCOM/Sports  /Language s |
| **FRI** | BI 2.1  Enzymes- classification, coenzymes  (Lecture) | 10-11  CM – L 1.5: Concept of prevention- Application of interventions at various levels of prevention | PY 3.2  Properties of nerve fibre I  (Lecture) | BI 2.3  Enzymes-kinetics, mechanism  (Lecture) | PY2.12  Practical Demonstration of PCV,ESR, osmotic fragility(DOAP)  (VI-PA) | AETCOM/Sports  /Language s |
| **SAT** | AN 12.10 Fascial spaces of palm (VI SU) (Lecture) | Early Clinical Exposure: Anatomy  Cases of claw hand, carpel tunnel syndrome and wrist drop | | |  | | |

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| **WEEK 6** | **9.00-11.00 AM** | | **11.00-12.00 NOON** | **12.00-1.00 PM** | **1.00-2.00 PM** | **2.00-4.00 PM** | **4.00-5.00 PM** |
| **MON** | AN 12.10 Fascial spaces of palm (DOAP) | | AN 12.2 12.7 12.8 Nerves and vessels of palm (lecture) | PY 1.8  Action potential in nerve  lecture) | **L**  **U**  **N**  **C**  **H**  **B**  **R**  **E**  **A**  **K** | AN 67.1 67.2 67.3 Histology – Muscle tissue (HI PY) (A) (Practical)  PY2.11 Estimation of Hb(C) (DOAP)  BI 11.6 /11.18 (C)  Colorimetry and spectrophotometry  Practiclal Demonstration) | AN 68.1 68.2 68.3 Histology of nervous tissue (lecture) |
| **TUE** | AN 12.5 12.6 12.9 Palm and superficial palmar arch  (Small group discussion) | | PY 3.3  Degeneration and regeneration of nerves  (VI-IM) (Lecture | AN 79.1 79.2 79.3 Primitive streak, notochord and neurulation  (Lecture) | AN 67.1 67.2 67.3 Histology – Muscle tissue (HI PY) (B) (Practical)  PY2.11 Estimation of Hb(C) (DOAP)  BI 11.6 /11.18(A)  Colorimetry and spectro photometry  Practiclal Demonstration) | (Seminar/self directed learning)  PY 1.8  RMP |
| **WED** | AN 12.5 12.6 12.9 Small muscles of hand and fibrous flexor sheaths (Small group discussion) | | BI 2.4  Enzyme Inhibition  (Lecture) | AN 12.2 12.4 12.7 12.8 Median nerve (VI SU)  (Lecture) | AN 71.2 Histology – Bone (VI PA) (C) (Practical)  AN 67.1 67.2 67.3 Histology – Muscle tissue  (HI PY) (C)  PY2.11 Estimation of Hb (A) (DOAP)  BI 11.6 /11.18(B)  Colorimetry and spectro photometry  Practiclal Demonstration) | PY 3.3  Degeneration and regeneration of nerves  ((Seminar/self directed learning)) |
| **THU** | AN 12.2 12.4 12.7 12.8 Median nerve (VI SU)  (DOAP) | | Upper limb revision  (Self directed learning) | Revision: Action potential  (Physiology) | Part completion test: general physiology  Physiology | Action potential  (Self directed learning) |
| **FRI** | BI 2.6  Enzyme regulation  (Lecture) | 10-11  CM – SGD 1.6: Health promotion and Education- Concepts and Principles, IEC, BCC | PY 3.4  Neuromuscular junction PY 3.4 3.5 3.6  Neuromuscular transmission and applied aspect  (VI-PA,AS,PH) (Lecture  (Lecture)) | BI.2.5,11.17 Isoenzymes, Enzymes of clinical importance  (Lecture) | PY2.11  Practical Demonstration and discussion of BT,CT&Blood group  (DOAP)  (VI-PA) | AETCOM/Sports  /Language s |
| **SAT** | AN 12.2 12.7 12.8 Ulnar artery and ulnar nerve (VI SU)  (Lecture) | Early Clinical Exposure:  PY-Blood bank visit and case discussion of hematological disorders | | |  | | |

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| **WEEK 7** | **9.00-11.00 AM** | | **11.00-12.00 NOON** | **12.00-1.00 PM** | **1.00-2.00 PM** | **2.00-4.00 PM** | **4.00-5.00 PM** |
| **MON** | Upper limb revision  (Self directed learning) | | AN 10.12 Shoulder joint (VI OR)  (Lecture) | PY3.7  Structure of skeletal muscle  (HI-AN)  (Lecture) | **L**  **U**  **N**  **C**  **H**  **B**  **R**  **E**  **A**  **K** | AN 67.1 67.2 67.3 Histology muscle tissue (HI PY) (A) (Practical)  AN 68.1 68.2 68.3 Histology of nervous tissue (HI PY) (A)  PY2.11 Estimation of Hb(B) (DOAP)  BI 11.16(C)  Chromatography  (Practical Demonstration) | AN 70.2 Histology of Lymph node and spleen (A) (Lecture) |
| **TUE** | AN 10.12 Shoulder joint (VI OR) (Small group discussion) | | PY 3.9 3.11  Excitation contraction coupling  Molecular basis of skeletal muscle contraction and  Chemical changes during muscle contraction  (Lecture)(HI-BI) | AN 79.4 Somites and intra-embryonic coelom (VI OG)  (Lecture) | AN 68.1 68.2 68.3 Histology of nervous tissue (HI PY) (B) (Practical)  PY2.11 BT,CT&Blood group(c) (DOAP)  BI 11.16(A)  Chromatography  (Practiclal Demonstration) | (Seminar/self directed learning)  PY 3.4  Neuromuscular junction |
| **WED** | AN 13.3 Elbow joint and radioulnar joint  (Small group discussion) | | BI 2.5, 11.7  Factors affecting enzyme activity  (Lecture) | AN 13.3 Elbow joint and radioulnar joint (Lecture) | AN 68.1 68.2 68.3 Histology of nervous tissue (HI PY) (C) (Practical)  PY2.11 BT,CT&Blood group(A) (DOAP)  BI 11.16(B)  Chromatography(Practiclal Demonstration) | AETCOM/Sports  /Language s |
| **THU** | AN 13.5 Radiology of upper limb (VI RD)  (Small group discussion) | | AN 13.3 Wrist joint and 1st carpometacarpal joint (Lecture) | PY 3.8 3.10  Types and properties of muscle contraction  (Lecture)  ) | PY3.16  HARWARD STEP TEST  (DOAP) | AETCOM/Sports  /Language s |
| **FRI** | BI 2.5, 11.7  Clinical Enzmology-1  (Lecture) | 10-11  CM – L 1.7: Health indicators | PY 3.8 3.9 3.10  Smooth muscle structure, properties and contractions  (Lecture) | BI10.3,10.4,10.5  Immune response & vaccine  (Lecture) | PY2.11  Demonstration and discussion of DLC  (DOAP) (VI-PA) | AETCOM/Sports  /Language s |
| **SAT** | AN 13.4 sternoclavicular, acromioclavicular and carpometacarpal joints  (Lecture) | Integrated teaching: Hemoglobin | | |  | | |

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| **WEEK 8** | **9.00-11.00 AM** | | **11.00-12.00 NOON** | **12.00-1.00 PM** | **1.00-2.00 PM** | **2.00-4.00 PM** | **4.00-5.00 PM** |
| **MON** | AN 13.6 Surface anatomy of upper limb (DOAP) | | AN 13.1 Venous and lymphatic drainage of upper limb (Lecture) | PY 3.15  Muscles in exercise & Gradation of muscular activity  (V.I-Medicine)  (Lecture | **L**  **U**  **N**  **C**  **H**  **B**  **R**  **E**  **A**  **K** | AN 70.2 Histology of Lymph node and spleen (A) (Practical)  PY2.11 BT,CT&Blood group(B) (DOAP)  Biochemistry (C): Specimen Collection and pre analytical errors in clinical biochemistry lab. (Demonstration) | AN 70.2 Histology- Thymus and palatine tonsil (VI PA) (Lecture) |
| **TUE** | Revision of upper limb  (Self directed learning) | | PY 5.1 5.2 5.4  Functional anatom) properties of cardiac muscle I  (Lecture) | AN 79.5 79.6 Embryological basis of congenital malformations, neural tube defects , teratogens (VI OG) (Lecture) | AN 70.2 Histology of Lymph node and spleen (B) (Practical)  PY2.11 DLC(C) (DOAP)  Biochemistry (A): Specimen Collection and pre analytical errors in clinical biochemistry lab. (Demonstration) | (Seminar/self directed learning)  PY 3.8 3.10  Types and properties of muscle contraction |
| **WED** | AN 13.7 Revision of upper limb Identifying important vessels , nerves and muscles with testing of muscle actions  (Self directed learning) | | BI 2.5, 11.7  Clinical Enzmology-2  (Lecture) | AN 13.2 13.8 Overview of upper limb, development and dermatome of upper limb(VI-IM)  (Lecture) | AN 70.2 Histology of Lymph node and spleen (C) (Practical)  PY2.11 DLC(A) (DOAP)    Biochemistry (B): Specimen Collection and pre analytical errors in clinical biochemistry lab. (Demonstration) | AETCOM/Sports  /Language s |
| **THU** | Revision of upper limb  (Self directed learning) | | Overview of upper limb  (Self directed learning) | PY 5.1 5.2 5.4  properties of cardiac muscle- II  (Lecture) | PY 3.17 3.18  Amphibian nerve muscle chart discussion (DOAP)  (SMC, effect of temp on muscle preparation, fatigue) | AETCOM/Sports  /Language s |
| **FRI** | BI 6.6  Biological oxidation, high energy compounds, components of ETC  (Lecture) | 10-11  CM – L 1.8: Demographic profile of India and its impact on health | PY 5.4  conducting system of heart  (H.I-Anatomy)  (Lecture) | BI 6.6  Oxidative phosphorylation, chemiosmotic Theory, shuttle pathways  (Lecture) | PY3.14  Ergography demonstration and discussion (DOAP) | AETCOM/Sports  /Language s |
| **SAT** | Overview of upper limb  (Self directed learning) | Biochemistry Seminar: Enzymes (small group Discussion) | | |  | | |

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| **WEEK 9** | **9.00-11.00 AM** | | | **11.00-12.00 NOON** | | **12.00-1.00 PM** | | **1.00-2.00 PM** | **2.00-4.00 PM** | | | **4.00-5.00 PM** |
| **MON** | AN 21.1 Introduction to thorax and salient features of sternum, Typical rib, 1st, 2nd, 11th and 12th rib  (Small group discussion) | | | AN 21.3 Thoracic inlet, cavity and outlet (Lecture) | | PY5.3,5.1  Cardiac cycle I  (Lecture | | **L**  **U**  **N**  **C**  **H**  **B**  **R**  **E**  **A**  **K** | AN 70.2 Histology- Thymus and palatine tonsil (VI PA) (A) (Practical)  PY2.11 DLC(B) (DOAP)  BI 11.21, 3.10 (C) Estimation of plasma glucose by enzymatic & POCT method (DOAP) | | | AN 70.1 Histology exocrine gland and distinguish between serous, mucous and mixed acini (VI PA)  (Lecture) |
| **TUE** | AN 21.4 Intercostal muscles  (Small group discussion) | | | PY5.3,5.1  Cardiac cycle II& Heart sounds  (Lecture) | | AN 80.2 80.3 80.5 80.6 80.7 Placenta and umbilical cord (Embryology) VI OG  (Lecture) | | AN 70.2 Histology- Thymus and palatine tonsil (VI PA) (B) (Practical)  PY2.11 DLC(C) (DOAP)  BI 11.21, 3.10 (A) Estimation of plasma glucose by enzymatic & POCT method (DOAP) | | | (Seminar/self directed learning)  PY 5.1 5.2 5.4  properties of cardiac muscle |
| **WED** | AN 21.5 21.6 21.7 Intercostal vessels and nerves  (Small group discussion) | | | BI 6.6  Oxidative phosphorylation, chemiosmotic Theory, shuttle pathways  (Lecture) | | AN 21.4 21.5 Intercostal muscles and typical intercostal nerve  (Lecture) | | AN 70.2 Histology- Thymus and palatine tonsil (VI PA) (C) (Practical)  PY2.11 DLC(A) (DOAP)  BI 11.21, 3.10 (B) Estimation of plasma glucose by enzymatic &POCT method (DOAP) | | | AETCOM/Sports  /Language s |
| **THU** | AN 21.2 21.3 Typical, 1st 11th 12th thoracic vertebra (Small group discussion) | | | AN 21.6 21.7 Anterior and posterior intercostal vessels and atypical intercostal nerve (Lecture) | | PY5.5  ECG-I  (Lecture) | | PY3.18  Amphibian cardiac experiment (DOAP)(Normal cardiogram, properties of cardiac muscle) | | | AETCOM/Sports  /Language s |
| **FRI** | BI 6.5 Biochemical role of Vitamin: Thiamine and Riboflavin  (Lecture) | | 10-11  CM – SGD 2.1: Clinico- socio- cultural and demographic assessment of individual, family and community | | PY 5.3,5.1  Revision Cardiac cycle | | BI 6.5  Biochemical role of Vitamin: Pyridoxine,Biotin and Vitamin like compounds  (Lecture) |  | Part completion test: cardiovascular system till ECG  Physiology | | | AETCOM/Sports  Languages |
| **SAT** | Revision (Intercostal muscles vessels and nerves) Self directed learning) | Early Clinical Exposure:Anatomy  Visit to Labour room learning about fetal membrane and placenta and developmental anomalies/ visit to General medicine ward for cases of CHF and COPD | | | | | |  |  |  | AETCOM/Sports  /Language s | |

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| **WEEK-10** | **9.00-11.00 AM** | | | **11.00-12.00 NOON** | **12.00-1.00 PM** | **1.00-2.00 PM** | **2.00-4.00 PM** | **4.00-5.00 PM** | |
| **MON** | AN 21.8 21.10 Demonstration of type, articular surfaces and joints of thoracic cage (DOAP) | | | AN 21.11 Mediastinum (Lecture) | PY5.5  ECG-II  (Lecture)  ) | **L**  **U**  **N**  **C**  **H**  **B**  **R**  **E**  **A**  **K** | AN 70.1 Histology of exocrine gland and distinguish between serous, mucous and mixed acini (VI PA) (A) (Practical)  PY2.11 DLC(B) (DOAP)  BI 11.21, 3.10 (C) Estimation of plasma glucose by enzymatic and POCT method (DOAP) | AN 72.1 Histology of Skin (A) (Lecture) | |
| **TUE** | AN 21.11 Mediastinum (Small group discussion) | | | PY5.6  ABNORMAL ECG  (VI-IM)(HI-AN) (Lecture) | AN 80.1 80.4 81.1 81.2 81.3  Fetal membranes, prenatal diagnosis and embryological basis of twinning (VI OG) (Lecture) | AN 70.1 Histology of exocrine gland and distinguish between serous, mucous and mixed acini (VI PA) (B) (Practical)  PY3.14Ergography(C) (DOAP)  BI 11.21, 3.10 (A) Estimation of plasma glucose by enzymatic an POCT method (DOAP) | (Seminar/self directed learning)  PY5.3  Cardiac cycle | |
| **WED** | AN 22.1 Pericardium and external features of heart (HI PY)  (Small group discussion) | | | BI 6.5  Biochemical role of Vitamin C and Vitamin like compounds  (Lecture) | AN 22.1 Pericardium and external features of heart (HI PY) (Lecture) | AN 70.1 Histology of exocrine gland and distinguish between serous, mucous and mixed acini (VI PA) (C) (Practical)  PY3.14Ergography(A) (DOAP)  BI 11.21, 3.10 (B) Estimation of plasma glucose by enzymatic & POCT method (DOAP) | AN Brachial plexus (Student seminar )  Self directed learning | |
| **THU** | AN 22.1 Pericardium and external features of heart (HI PY)  (Small group discussion) | | | AN 22.2 Internal features of Heart (HI PY) (Lecture) | PY5.9  Cardiac output and its regulation I  (Lecture) | Demonstration of  Cycle ergo/measurement of body composition(DOAP) | AETCOM/Sports  /Language s | |
| **FRI** | BI 6.5  Biochemical role of Vit. 12  (Lecture) | 10-11  CM – SGD 2.2: Socio-cultural factors, family(types), its role in health and disease, Assessment of socio-economic status | | PY5.9  Cardiac output and its regulation II  (Lecture) | BI 6.5  Biochemical role of Folic acid  (Lecture) |  | PY5.13  ECG demonstration and discussion  (VI-IM) | AETCOM/Sports  /Language s | |
| **SAT** | AN 25.4 Development of Heart part I (HI PY VI IM PE)  (Lecture) | | Early Clinical Exposure:  PY-Medicine ward visit - discussion of CVS cases | | |  |  | |  |

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| **WEEK-11** | **9.00-11.00 AM** | | | **11.00-12.00 NOON** | **12.00-1.00 PM** | | **1.00-2.00 PM** | **2.00-4.00 PM** | **4.00-5.00 PM** |
| **MON** | AN 22.2 Internal features of Heart (HI PY)  (Small group discussion) | | | AN 22.3 22.4 Blood supply of heart and anatomical basis of Ischemic heart disease (HI PY, VI IM) (Lecture) | PY5.7  Haemodynamics of circulatory system  (Lecture | | AN 72.1 Histology of Skin (A) (Practical)  PY3.14Ergography(B) (DOAP)  BI11.21(C)  Estimation of Urea in serum(Practiclal) | AN 25.1 Histology of Trachea and Lungs (A) (Lecture) |
| **TUE** | AN 22.2 Internal features of Heart (HI PY)  (Small group discussion) | | Py5.9  Revision lecture  Cardiac output regulation | | | AN 25.4 Development of Heart part I  Self directed learning | AN 72.1 Histology of Skin (B) (Practical)  PY3.14Ergography(B) (DOAP)  BI11.21(A)  Estimation of Urea in serum(Practiclal) | Self directed learning:Blood pressure regulation |
| **WED** | AN 22.3 22.4 Blood supply of heart and anatomical basis of Ischemic heart disease (HI PY, VI IM) (Small group discussion) | | | BI 6.5 Biochemical role of Vitamin A  (Lecture | AN 25.6 Development of Heart part II Development of aortic arch arteries (Lecture) | | AN 72.1 Histology of Skin (C) (Practical)  PY5.16PulseDemonstation and examination(A) (DOAP)  BI11.21(B)  Estimation of Urea in serum (Practiclal) | (Seminar/self directed learning)PY5.9  Cardiac output and its regulation |
| **THU** | AN 22.3 22.4 Blood supply of heart and anatomical basis of Ischemic heart disease (HI PY, VI IM) (Small group discussion) | | | AN 22.6 22.7 Fibrous skeleton and conducting system of heart (HI PY, VI IM)  (Lecture) | PY5.8 5.9  Blood pressureI  (Lecture)  ) | | PY5.15  General physical examination and CVS examination – practical demonstration(DOAP) | Pandemic module 1.1  Infection control  Part - I |
| **FRI** | BI 6.5(VI-PE)  Biochemical role of Vitamin D  (Lecture) | 10-11  CM – SGD 2.3: Assessment of barriers to good health and health seeking behaviour | | PY5.8 5.9  Blood pressure II  (Lecture)  ) | BI 6.9, 6.10  Biochemical role of calcium & phosphorus  (Lecture) | | PY5.12  BP recording- practical demo and discussion  (DOAP) | Pandemic module 1.1  Infection control  Part - I |
| **SAT** | AN 24.1 24.2 24.5 Pleura and lungs (HI PY VI IM) (Lecture) | Biochemistry Seminar: Water Soluble Vitamins | | | | |  |  | |

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| **WEEK-12** | **9.00-11.00 AM** | | **11.00-12.00 NOON** | **12.00-1.00 PM** | **1.00-2.00 PM** | | **2.00-4.00 PM** | | **4.00-5.00 PM** | |
| **MON** | AN 24.1 24.2 24.5 Pleura and lungs (HI PY VI IM) (Small group discussion) | | AN 24.3 Bronchopulmonary segments (HI PY VI IM)  (Lecture) | PY5.8 5.9  Blood pressureIII  (Lecture) | **L**  **U**  **N**  **C**  **H**  **B**  **R**  **E**  **A**  **K** | | AN 25.1 Histology of Trachea and Lungs (A) (Practical)  PY5.16Pulse Demonstation and examination(B) (DOAP) (VI-IM)  BI 11.11(C)  Estimation of calcium & phosphorus (Practiclal ) | | AN 52.2 Histology of Placenta and umbilical cord (A)  (Lecture) | |
| **TUE** | AN 24.1 24.2 24.5 Pleura and lungs (HI PY VI IM) (Small group discussion) | | PY5.9  local and systemic cardiovascular regulatory  Mechanisms  (Lecture) | AN 25.2 Development of Respiratory system  (Lecture) | AN 25.1 Histology of Trachea and Lungs (B) (Practical)  PY5.12 blood pressure recording(C) (DOAP)  BI 11.11(A) Estimation of calcium & phosphorus (Practiclal ) | | Small group Dicussion  PY5.8 5.9  Blood pressure | |
| **WED** | AN 23.4 23.5 23.6 Arch of aorta, sympathetic chain and splanchnic nerves (Small group discussion) | | BI 6.9, 6.10  Biochemical role of sulfur and iron  (Integrated Learning) | AN 23.2 23.3 23.7 Thoracic duct , azygos system of veins (VI SU) (Lecture) | AN 25.1 Histology of Trachea and Lungs (C) (Practical)  PY5.12 blood pressure recording(A) (DOAP) (VI-IM)  BI 11.11(B) Estimation of calcium & phosphorus (Practiclal ) | | Pandemic module 1.1  Infection control  Part - I | |
| **THU** | AN 25.7 25.8 Radiology of Thorax (VI RD IM)  (Small group discussion) | | AN 25.3 Foetal circulation and changes occurring at birth (VI IM HI PY)  (Lecture) | PY5.9  local and systemic cardiovascular regulatory  Mechanisms (Lecture) | practical Demonstration of 2km walking test(DOAP) | | Pandemic module 1.1  Infection control  Part - I | |
| **FRI** | BI 6.9, 6.10  Biochemical role of Iodine,Flouride  (Lecture) | 10-11  CM – L 2.4: Social psychology, community behaviour, community relationship and their impact on health and disease | PY5.10  Microcirculation and lymphatics  (VI-IM)  (Lecture) | BI 6.9, 6.10  Biochemical role of Cu and Zn  (Lecture) | PY5.12  Effect of posture and exercise on BP  practical demonstration(DOAP) | | AETCOM/Sports  /Language s | |
| **SAT** | AN 23.1 24.6 Esophagus and trachea (Lecture) | Early Clinical Exposure: BIOCHEMISTRY  Anemia | | |  |  | |  | |  |

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| **WEEK-13** | **9.00-11.00 AM** | | | **11.00-12.00 NOON** | **12.00-1.00 PM** | **1.00-2.00 PM** | **2.00-4.00 PM** | | | **4.00-5.00 PM** |
| **MON** | AN 25.9 Surface anatomy of Pleura, lungs and heart (DOAP) | | | Overview of Thorax  (Lecture) | PY5.10  Coronary circulation  (Lecture) | **L**  **U**  **N**  **C**  **H**  **B**  **R**  **E**  **A**  **K** | AN 52.2 Histology of Placenta and umbilical cord (A) (Practical)  PY5.12 blood pressure recording(B) (DOAP)  BI11.20(C)  Identify pathological constituents in urine(Practical) | | | AN 52.1 Histology of testis (Lecture) |
| **TUE** | Demonstration of Embryology models  (Small group discussion) | | | PY5.10  cerebral  circulation  (Lecture) | Overview of Development of Heart  (Self directed learning) | AN 52.2 Histology of Placenta and umbilical cord (B) (Practical)  PY5.12  Effect of posture and exercise on (DOAP)  BI11.20(A)  Identify pathological constituents in urine (Practical) | | | Small group Dicussion  PY5.10  Coronary and cerebral circulation |
| **WED** | Demonstration of Embryology models and Revision of All general histology slides  (Small group discussion) | | | BI 6.9, 6.10 (VI – IM)  Biochemical role of Se, Mg, Mb  (Lecture) | Overview of thorax  (Self directed learning) | AN 52.2 Histology of Placenta and umbilical cord (C) (Practical)  Effect of posture and exercise on BP(A)(DOAP)  BI11.20(B)  Identify pathological constituents in urine(Practical) | | | AETCOM/Sports  /Language s |
| **THU** | Revision of All general histology slides  (Small group discussion) | | | Overview of thorax (Self directed learning) | PY5.10  Sphlancnic, pulmanory and fetal circulation | Effect of posture and exercise on BP(B) (DOAP)  Revision for batch C and A (DOAP) | | | AETCOM/Sports  /Language s |
| **FRI** | BI 6.5  Biochemical role of Vitamin E&K  (Lecture) | | 10-11  CM – L 2.5: Poverty, social security measures and its relationship to health and disease | PY5.11  Shock and heart failures I  (Lecture) | FA:  Chemistry of Amino acids  (Lecture) | Hemat/ BP revision(B/C/A) (DOAP) | | | AETCOM/Sports  /Language s |
| **SAT** | Overview of thorax (Self directed learning) | CommunityMedicine | | | |  |  |  |  | |

**(WEEK 14)**

**Timetable for First Internal Assessment**

**(WEEK 14)**

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| **DAY** | **9.00-11.00 AM** | **11.00-12.00 NOON** | **12.00-1.00 PM** |
| **MON** | 1st IAS |  |  |
| **TUE** | 1st IAS |  |  |
| **WED** | 1st IAS |  |  |
| **THU** | 1st IAS | | |
| **FRI** | 1st IAS | | |
| **SAT** | 1st IAS | | |

TIME TABLE FOR FOURTH MONTH

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| **WEEK-15** | **9.00-11.00 AM** | | | **11.00-12.00 NOON** | **12.00-1.00 PM** | **1.00-2.00 PM** | | **2.00-4.00 PM** | **4.00-5.00 PM** | |
| **MON** | AN 44.1 Demonstration of planes and quadrants of abdomen (VI SU)  (Small group discussion) | | | AN 44.6 44.7Anterior abdominal wall muscles and common abdominal incisions (VI SU)  (Lecture) | PY5.11  Shock and heart failures II  VI- medicine  (Lecture) | **L**  **U**  **N**  **C**  **H**  **B**  **R**  **E**  **A**  **K** | | AN 52.1 Histology of testis(A) (Practical)  PY5.15 GPE and CVS examination(B) (DOAP)  BI 11.15(C)  Composition of CSF (Small group Discussion) | AN 52.1 Histology of Epididymis and vas deference  (Lecture) | |
| **TUE** | AN 44.2 44.6 fascia, ,Muscles, nerves and vessels of anterior abdominal wall (Small group discussion) | | | PY 5.16  Arterial pulse tracing and abnormal pulses(Lecture) | AN 52.4 52.5 Development of diaphragm and anterior abdominal wall  (Lecture) | AN 52.1 Histology of testis(B) (Practical)  PY5.15 GPE and CVS examination(C) (DOAP)  BI 11.15(A)  Composition of CSF (Small group Discussion) | (Seminar/self directed learning)  PY5.11  Shock and heart failures | |
| **WED** | AN 53.4Lumbar vertebra  (VI OR)  (DOAP) | | | BI7.1  Chemistry of nucleotides  Lecture | AN 44.4 44.5 Inguinal canal (VI SU)  (Lecture) | AN 52.1 Histology of testis(C) (Practical)  PY5.15 GPE and CVS examination(A) (DOAP) BI 11.15(B)  Composition of CSF (Small group Discussion) | Small group discussion  PY 6.2  Mechanism of respiration | |
| **THU** | AN 44.4 44.5 Inguinal canal (VI SU)  (Small group discussion) | | | AN 45.1 45.2 Thoracolumbar fascia and lumbar plexux (Lecture) | )PY 6.1  Physiological anatomy of respiratory tract  ( | PY-small group discussion – cardiac output and BP regulation | AETCOM/Sports  /Language s | |
| **FRI** | BI7.1  Structure and types of DNA  Lecture | | 10-11  CM – L 4.1: Health education – methods, advantages and limitations | PY 6.2  Mechanism of respiration  Pressure changes during respiration  (Lecture  ) | BI7.1  Structure and types of RNA  Lecture | Practical Demonstration and discussion of absolute eosinophil count  (DOAP) | AETCOM/Sports  /Language s | |
| **SAT** | AN 46.1 Testis (VI SU) (Lecture) | Early Clinical Exposure:  PY Visit to medicine ward –CVS/RS case discussion | | | |  |  | | |  |

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| **WEEK-16** | **9.00-11.00 AM** | | **11.00-12.00 NOON** | **12.00-1.00 PM** | **1.00-2.00 PM** | | **2.00-4.00 PM** | | **4.00-5.00 PM** | |
| **MON** | Male external genitalia AN 46.1 Testis (VI SU)  (Small group discussion) | | AN 46.2 -46.5 Epididymis (VI SU) (Lecture) | Lecture PY 6.2  Lung volumes and capacities  (Lecture | **L**  **U**  **N**  **C**  **H**  **B**  **R**  **E**  **A**  **K** | | AN 52.1 Histology of Epididymis and vas deference(A) (Practical)  PY-absolute eosinophil count(B) (DOAP)  BI 11.16, 11.19(C)  DNA Isolation from Blood/Tissue & PCR(Practiclal Demonstration) | | AN 52.1 Histology of oesophagus and cardioesophageal junction (Lecture) | |
| **TUE** | Male external genitalia AN 46.1 Testis (VI SU)  (Small group discussion) | | PY 6.2  Alveolar surfactant  (Lecture | AN 52.8 development of male reproductive system (VI SU)  (Lecture) | AN 52.1 Histology of Epididymis and vas deference(B) (Practical)  PY-absolute eosinophil count (C) (DOAP)  BI 11.16, 11.19(A) DNA Isolation from Blood/Tissue& PCR  (Practiclal Demonstration) | | (Seminar/self directed learning)  PY 6.2  Lung volumes and capacities | |
| **WED** | AN 47.1-47.4 peritoneum part I (VI SU)  (Small group discussion) | | BI 3.2, 3.3  Digestion and absorption of Carbohydrates  (Lecture) | AN 47.1-47.4 peritoneum part I (VI SU)  (Lecture) | AN 52.1 Histology of Epididymis and vas deference(C) (Practical)  PY-absolute eosinophil count (A) (DOAP)  BI 11.16, 11.19(B)  DNA Isolation from Blood/Tissue& PCR(Practiclal Demonstration) | | Biochemistry Tutorials | |
| **THU** | AN 47.1-47.4 peritoneum part II (VI SU)  (Small group discussion) | | AN 47.1-47.4 peritoneum part II (VI SU)  (Lecture) | )PY 6.2  Compliance, alveolar ventilation  v/p ratio  (Lecture) | PY 6.7  Lung function test and their significances-small group discussion | | AETCOM/Sports  /Language s | |
| **FRI** | BI 3.4  Carbohydrate Metabolism-Glycolysis and pyruvate dehydrogenase complex  (Lecture) | 10-11  CM – L 4.2: Health promotion, health education and counselling activities at individual, family and community settings | PY 6.3  Transport of gases, oxygen transport and applied physiology  (Lecture)  ) | BI 3.4,3.7,3.8  Glycogen Metabolism and disorders  (Lecture) | PY6.8  Practical Demonstration and discussion of Spirometrty  (DOAP)  (VI-CT) | | AETCOM/Sports  /Language s | |
| **SAT** | AN 47.5 Stomach  (VI SU)  (Lecture) | Biochemistry Seminar: Vitamins | | |  |  | |  | |  |

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| **WEEK-17** | **9.00-11.00 AM** | | | **11.00-12.00 NOON** | **12.00-1.00 PM** | **1.00-2.00 PM** | | **2.00-4.00 PM** | | **4.00-5.00 PM** | |
| **MON** | AN 47.13 47.14 Thoracoabdominal diaphragm (VI SU)  (Small group discussion) | | | AN 47.5 Duodenum (VI SU)  (Lecture) | PY 6.3  Transport of carbondioxide and applied physiology | **L**  **U**  **N**  **C**  **H**  **B**  **R**  **E**  **A**  **K** | | AN 52.1 Histology of oesophagus and cardioesophageal junction(A) (Practical)  PY6.8 Perform Spirometry (B) (DOAP)  BI 11.3, 11.4(C)  Analysis of pathological constituents of Urine(Practiclal ) | | AN 52.1 Histology of stomach – fundus and pylorus(A)  (Lecture) | |
| **TUE** | AN 47.5 Stomach and Duodenum (VI SU)  (Small group discussion) | | | PY 6.3  Neural Regulation of respiration  (Lecture) | AN 52.6 Development of GIT (VI SU) (Lecture) | AN 52.1 Histology of oesophagus and cardioesophageal junction(B) (Practical)  PY6.8 Perform Spirometry (C) (DOAP)  BI 11.3, 11.4(A)  Analysis of pathological constituents of Urine(Practiclal | | Small group Discussion  PY 6.6  Hypoxia | |
| **WED** | AN 47.5 Stomach and Duodenum (VI SU)  (Small group discussion) | | | BI 3.4, 3.7, 3.8  Glycogen Metabolism: regulation  (Lecture) | AN 52.6 Development of GIT (VI SU) (Lecture) | AN 52.1 Histology of oesophagus and cardioesophageal junction(B) (Practical)  PY6.8 Perform Spirometry (C) (DOAP)  BI 11.3, 11.4(B)  Analysis of pathological constituents of Urine(Practiclal) | | BI 17.6, 7.7 Anti oxidants and Free Radicals  ( Small group Discussion ) | |
| **THU** | AN 47.5 Small intestine (VI SU)  (Small group discussion) | | | AN 47.5 small intestine (VI SU)  (Lecture) | PY 6.3  Chemical Regulation of respiration | PY-small group discussion  Regulation of respiration | | AETCOM/Sports  /Language s | |
| **FRI** | BI 3.4,3.7,3.8  Gluconeogenesis  (Lecture) | 10-11  CM – SGD 4.3: Steps in evaluation of health promotion and education program | | PY 6.6  Hypoxia  VI -IM  (Lecture PY3.15  Demonstrate Cardio respiratory parameters during exercise  (Lecture) | BI 3.4,3.7,3.8  Fructose & Galactose  Metabolism  (Lecture) | PY6.10  Practical Demonstrate and discussion of peak expiratory flow rate(PEFR)  (DOAP) | | AETCOM/Sports  /Language s | |
| **SAT** | AN 47.5 Large intestine (VI SU) (Lecture) | | Early Clinical Exposure: Biochemistry  Atherosclerosis and Myocardial Infarction | | |  |  | |  | |  |

**Timetable for the Fifth Month**

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| **WEEK-18** | **9.00-11.00 AM** | | **11.00-12.00 NOON** | **12.00-1.00 PM** | **1.00-2.00 PM** | | **2.00-4.00 PM** | | **4.00-5.00 PM** | |
| **MON** | AN 47.5 Large intestine and appendix (VI SU)  (Small group discussion) | | AN 47.5 appendix, spleen  (Lecture) | PY 6.7 Lung Function tests and clinal significance | **L**  **U**  **N**  **C**  **H**  **B**  **R**  **E**  **A**  **K** | | AN 52.1 Histology of stomach – fundus and pylorus(A) (Practical)  PY6.10 Estimation of Peak expiratory flow rate(PEFR)(B) (DOAP)  BI 11.6, 11.18 (C) Clinical Chemistry Autoanalyzer & Quality control and Biological reference Values (Demonstration) | | AN 52.1 Histology of duodenum, jejunum and ileum (Lecture) | |
| **TUE** | AN 47.5 47.6 Spleen (VI SU) (Small group discussion) | | PY 6.4,6.5,6.6  Physiology of high altitude  (Lecture) | AN 52.6 Development of GIT (VI SU)  (Lecture) | AN 52.1 Histology of stomach – fundus and pylorus(B) (Practical)  PY6.10 Estimation of Peak expiratory flow rate(PEFR)(C) (DOAP)  BI 11.6, 11.18 (A) Clinical Chemistry Autoanalyzer & Quality control and Biological reference Values (Demonstration) | | (Seminar/self directed learning)  PY 6.4,6.5,6.6  Physiology of high altitude | |
| **WED** | AN 47.5 47.6 Liver (VI SU) (Small group discussion) | | BI 3.6  Citric acid cycle  (Lecture) | AN 47.5 Liver (VI SU)  (Lecture) | AN 52.1 Histology of oesophagus and cardioesophageal junction(C) (Practical)  AN 52.1 Histology of stomach –  fundus and pylorus(C)  PY6.8 Perform Spirometry (A) and  PY6.10 Estimation of Peak expiratory flow rate(PEFR)(A) (DOAP)  BI 11.6, 11.18 (B) Clinical Chemistry Autoanalyzer &Quality control and Biological reference Values (Demonstration) | | AN Pancreas (Student seminar )  Self directed learning | |
| **THU** | AN 47.5 Liver and biliary apparatus (VI SU)  (Small group discussion) | | AN 47.5 47.7 Biliary apparatus, calot’s triangle (VI SU) (Lecture) | PY 6.4,6.5,6.6  Physiology of deep sea diving  (Lecture) | PY4.2, 4.8  Stomach – Gastric secretion and regulation(HI-BI) (Lecture) | | AETCOM/Sports  /Language | |
| **FRI** | BI 3.4  HMP Shunt pathway and Uronic acid pathway  (Lecture) | 10-11  Family and Cultural factors in Health and Disease  (self directed learning)) | PY6.5  Artificial respiration pathophysiology of Dyspnea, periodic breathing  (Lecture) | BI 3.4  Cori’s Cycle and Rapaport Leubering cycle and Significance  Lecture | PY6.9  Practical Demonstrate of clinical examination of respiratory system  (DOAP) | | AETCOM/Sports  /Language | |
| **SAT** | AN 47.5 pancreas (VI SU)  (Lecture) | Early Clinical Exposure: Anatomy  Visit to surgery wards – Cases of kidney stones, peptic ulcer, pancreatic cyst, Portal hypertension and cirrhosis of liver  Pediatric ward – Cases of Sickle cell anemia. | | |  |  | |  | |  |

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| **WEEK-19** | **9.00-11.00 AM** | | | **11.00-12.00 NOON** | **12.00-1.00 PM** | **1.00-2.00 PM** | **2.00-4.00 PM** | **4.00-5.00 PM** | |
| **MON** | AN 47.5 pancreas (VI SU)  (Small group discussion) | | | AN 47.5 47.6 Kidney (VI SU) (Lecture) | PY 4.1 Physiological anatomy of GI tract  (HI-AN) (Lecture) | **L**  **U**  **N**  **C**  **H**  **B**  **R**  **E**  **A**  **K** | AN 52.1 Histology of duodenum, jejunum and ileum(A) (Practical)  PY6.9 clinical examination of Respiratory system (B) (DOAP)  BI 11.7(C)  Estimation of serum Creatinine and Creatinine clearance(Practiclal) | AN 52.1 Histology of Large intestine and appendix (Lecture) | |
| **TUE** | AN 47.5 47.6 Kidney and suprarenal gland (VI SU)  (Small group discussion) | | | PY4.2  Mastication and deglutition | AN 52.6 Development of urinary system (VI SU)  (Lecture) | AN 52.1 Histology of duodenum, jejunum and ileum(B) (Practical)  PY6.9 clinical examination of Respiratory system (C) (DOAP)  BI 11.7(A) Estimation of serum Creatinine and Creatinine clearance(Practiclal) | Small group Discussion  PY4.2,4.7,4.8  Liver and Gall bladder | |
| **WED** | AN 47.5 Ureter (VI SU)  (Small group discussion) | | | BI 3.9  Blood glucose regulation  (Lecture) | AN 47.8 47.11 Portal vein and portocaval anastomosis (VI SU)  (Lecture) | AN 52.1 Histology of duodenum, jejunum and ileum(C) (Practical)  PY6.9 clinical examination of Respiratory system (A) (DOAP)  BI 11.7(B)  Estimation of serum Creatinine and Creatinine clearance(Practiclal) | Small group Discussion  PY4.2  Small intestine and large intestine | |
| **THU** | AN 47.9 branches of abdominal aorta and Coeliac trunk (DOAP) | | | AN 47.9 branches of abdominal aorta and Coeliac trunk  (Lecture) | PY4.3  Physiology of salivary secretion  GIT movements regulation and functions  (Lecture) | PY-(Seminar/self directed learning) (GIT)  Peristalisis  Massmovement  Segmentation  PY 4.9 Applied aspect of Gastro intestinal physiology VI-Medicine | AETCOM/Sports  /Language s | |
| **FRI** | BI 3.4  G-6PD Deficiency and PDH reaction (Lecture) | | PCM – L 5.1: Common sources of various nutrients, special nutritional requirements according to age, gender, physiological conditions | PY4.4  Gastric regulation I | BI3.4  Integrated metabolism  Lecture | PY- practical Demonstration and discussion of stethography  (DOAP) | AETCOM/Sports  /Language s | |
| **SAT** | AN 47.9 superior and inferior mesenteric artery (Lecture) | Early Clinical Exposure:  PY Visit to Pulmonary medicine –RS case discussion | | | |  |  | |  |

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| **WEEK-20** | **9.00-11.00 AM** | | | **11.00-12.00 NOON** | **12.00-1.00 PM** | **1.00-2.00 PM** | **2.00-4.00 PM** | | | **4.00-5.00 PM** |
| **MON** | AN 47.9 superior and inferior mesenteric artery (DOAP) | | | AN 48.2 Rectum and anal canal (VI SU) (Lecture) | PY.4.5  Gastric regulation II | **L**  **U**  **N**  **C**  **H**  **B**  **R**  **E**  **A**  **K** | AN 52.1 Histology of Large intestine and appendix(A) (Practical)  PY-Stethography(B) (DOAP)  Seminar: BI3.4 Batch (C)  Integration of Metabolism | | | AN 52.1 Histology of Liver and gall bladder  (Lecture) |
| **TUE** | AN 47.8 Inferior vena cava and renal vein  (DOAP) | | | PY 4.7 Liver and gall bladder | AN 52.6 Development of Urinary system (VI SU)  (Lecture) | AN 52.1 Histology of Large intestine and appendix(B) (Practical)  PY-Stethography(C) (DOAP)  Seminar: BI3.4 Batch (A): Integration of Metabolism | | | Small group Discussion  PY 4.9 Applied aspect of Gastro intestinal physiology |
| **WED** | AN 48.2 Rectum and anal canal (VI SU)  (Small group discussion) | | | BI 4.2  Digestion & absorption of lipids  (Lecture) | AN 52.6 Development of Urinary system (VI SU)  (Lecture) | AN 52.1 Histology of Large intestine and appendix(C) (Practical)  PY-Stethography(C) (DOAP)  Seminar: BI3.4 Batch (B): Integration of Metabolism | | | BI  Student Seminar :  Mutations  ( Self Directed Learning) |
| **THU** | AN 53.4 50.1 50.2 sacrum (Small group discussion) | | | AN 48.2 48.5 48.6 Urinary bladder (VI SU) (Lecture) | PY 4.9 Deglutition And Vomiting | PY.charts/problems and graph discussion (CVS,RS) (DOAP) | | | AETCOM/Sports  /Language s |
| **FRI** | BI 4.2  Oxidation of Fatty acid  (Lecture) | 10-11  CM – L 5.3: Common nutrition related health disorders, control and management - PEM | | PY 4.3 Small intestine and large intestine(HI-BI)  (Lecture | BI 4.2  Fatty acid synthesis  (Lecture) | PY4.10  Practical Demonstration and discussion of clinical examination of abdomen  (DOAP) | | | AETCOM/Sports  /Language s |
| **SAT** | AN 48.2 48.7 Prostate (VI SU) (Lecture) | | Early Clinical Exposure:  Biochemistry-Diabetes Mellitus Early Clinical Exposure: | | |  |  |  |  | |

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| **WEEK-21** | **9.00-11.00 AM** | | | **11.00-12.00 NOON** | **12.00-1.00 PM** | **1.00-2.00 PM** | **2.00-4.00 PM** | | **4.00-5.00 PM** | |
| **MON** | AN 48.2 48.5 48.6 48.7 Urinary bladder and prostate (VI SU)  (Small group discussion) | | | AN 48.2 48.5 Uterus (VI OG)  (Lecture) | PY4.2,4.8  Exocrine Pancreas  (HI-BI) (Lecture | **L**  **U**  **N**  **C**  **H**  **B**  **R**  **E**  **A**  **K** | AN 52.1 Histology of Liver and gall bladder(A) (Practical)  PY-Stethography revision(B) (DOAP)  BI 11.7, 11.21(C)  Estimation of serum Creatinine and Creatinine clearance(Practical) | | AN 52.1 Histology of Pancreas and suprarenal gland  (Lecture) | |
| **TUE** | AN 48.2 48.5 Uterus (VI OG)  (Small group discussion)  AN 53.1 -53.4 Pelvis (VI OG) (DOAP) | | | PY 4.4 Digestion and absorption of nutrients  (Lecture) (HI-BI) | AN 52.8 Development of Female reproductive system (VI OG) (Lecture) | AN 52.1 Histology of Liver and gall bladder(B) (Practical)  PY-Stethography revision(C) (DOAP)  BI 11.7, 11.21(A)  Estimation of serum Creatinine and Creatinine clearance(Practical) | | Small Group Discussion  PY 7.3  Mechanism of formation of urine | |
| **WED** | AN 48.2 48.5 Uterus, Ovary and fallopian tube (VI OG)  (Small group discussion) | | | BI 4.3  Metabolism of cholesterol, bile acids, enterohepatic circulation  (Lecture) | AN 48.2 48.5 Ovary and fallopian tube (VI OG)  (Lecture) | AN 52.1 Histology of Large intestine and appendix(C) AN 52.1 Histology of Liver and gall bladder(C) (Practical)  PY-Stethography(A) (DOAP)  BI 11.7,11.21(B)  Estimation of serum Creatinine and Creatinine clearance(Practical) | | AETCOM/Sports  /Language s | |
| **THU** | AN 48.4 48.5 Internal iliac artery and sacral plexus (Small group discussion) | | | AN 48.4 48.5 Internal iliac artery and sacral plexus  (Lecture) | PY 4.5 GI hormones and gut brain axis | PY 7.3,7.5.1.7  Acid base balance  (HI-BI) (small group discussion) | | AETCOM/Sports  /Language s | |
| **FRI** | BI 4.3  Formation and function of bile acids and bile salts  (Lecture) | 10-11  CM – L 5.3: Common nutrition related health disorders, control and management including national nutritional program - Iron | | PY 4.9 Defecation Reflex And Large Intestine | BI 4.3  Lipoprotein Metabolism  (Lecture) | PY-(Seminar/self directed learning)  Juxtaglomerular Aparatus,  Differences between cortical and medullary nephrons, tubule glomerluar feedback | | AETCOM/Sports  /Language s | |
| **SAT** | AN 48.1 Pelvic diaphragm (Lecture) | | ECE Biochemistry:  Visit to Medicine ward- Dyslipidemia | | |  | |  | |  |

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| **WEEK-22** | **9.00-11.00 AM** | | **11.00-12.00 NOON** | **12.00-1.00 PM** | **1.00-2.00 PM** | **2.00-4.00 PM** | | **4.00-5.00 PM** |
| **MON** | AN 49.1 49.3 49.5 Perineal body and perineal membrane (VI OG)  (Small group discussion) | | AN 49.1 Perineal pouches (Superficial and deep) (VI OG)  (Lecture) | PY 7.1 Introduction To Renal Physiology And JGA | **L**  **U**  **N**  **C**  **H**  **B**  **R**  **E**  **A**  **K** | AN 52.1 Histology of Pancreas and suprarenal gland(A) (Practical)  PY4.10 clinical examination of abdomen (B) (DOAP)  BI 11.9(C) Demonstration of estimation serum total cholesterol and HDL Cholesterol  (Practical) | | AN 52.2 Histology of Kidney, uretere  (Lecture) |
| **TUE** | AN 49.1 Perineal pouches (Superficial and deep) (VI OG)  (Small group discussion) | | PY 7.2 GFRand regulation | AN 52.8 Development of Female reproductive system (VI OG) (Lecture) | AN 52.1 Histology of Pancreas and suprarenal gland(B) (Practical)  PY4.10 clinical examination of abdomen(C) (DOAP)  BI 11.9(A) Demonstration of estimation serum total cholesterol and HDL Cholesterol  (Practical) | | (Seminar/self directed learning)  PY7.8  Renal function test |
| **WED** | AN 49.4 Ischiorectal fossa (VI SU)  (Small group discussion) | | Hyperlipoproteinemias  Biochemical &  basis of hypolipidemic drugs  (Lecture) | AN 49.4 Ischiorectal fossa (VI SU)  (Lecture) | AN 52.1 Histology of Pancreas and suprarenal gland(C) (Practical)  PY4.10 clinical examination of abdomen(A) (DOAP)  BI 11.9(B) Demonstration of estimation serum total cholesterol and HDL Cholesterol  (Practical) | | AETCOM/Sports  /Language s |
| **THU** | AN 49.4 Ischiorectal fossa (VI SU)  (Small group discussion) | | AN 48.8 49.5 Structures palpable during vaginal and rectal examination, Perianal tear, episiotomy, perianal abscess and anal fissure (VI OG, SU) (Lecture) | PY 7.3 PY 7.3  Mechanism of formation of urine -1  (Lecture | PY.charts/problems and graph discussion (GP,Renal,GIT) (DOAP) | | AETCOM/Sports  /Language s |
| **FRI** | BI 3.9,11.17  Metabolism of ketone bodies  (Lecture) | CM – L 5.3: Common nutrition related health disorders, control and management – Zinc, Iodine &  Vitamin A | PY 7.3  Mechanism of formation of urine -1  (Lecture) | BI 4.1,4.6 Phospholipids & eicosanoids  (Lecture) | PY.charts/problems and graph discussion (NMP,Hemat) (DOAP) | | AETCOM/Sports  /Language s |
| **SAT** | Overview of abdomen  (Self directed learning) | Early Clinical Exposure: Anatomy  Visit to gynecology ward – cases of prolapse uterus. Labor ward to see episiotomy and normal labor. | | |  | |  |  |

**Timetable for the Sixth Month**

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| **WEEK-23** | **9.00-11.00 AM** | | **11.00-12.00 NOON** | **12.00-1.00 PM** | **1.00-2.00 PM** | **2.00-4.00 PM** | **4.00-5.00 PM** |
| **MON** | AN 55.1 55.2 Surface anatomy of abdominal organs (VI SU) (DOAP) | | Overview of pelvis (Self directed learning) | PY 7.4 Renal Clearnace | **L**  **U**  **N**  **C**  **H**  **B**  **R**  **E**  **A**  **K** | AN 52.2 Histology of Kidney, ureter (A) (Practical)  PY-Revision (B)(DOAP)  BI 11.10(C)  Estimation of Triglycerides in serum(Practical) | AN 52.2 Histology of Urinary bladder and prostate  (Lecture) |
| **TUE** | AN 54.1- 54.3 Radiology of abdomen (VI RD)  (Small group discussion) | | PY 7.3,7.5  Acidification of urine  (Lecture) | Overview of development of GIT, urinary system (Lecture) | AN 52.2 Histology of Kidney, ureter (B) (Practical)  PY-Revision (C) (DOAP)  BI 11.10(A)  Estimation of Triglycerides in serum(Practical) | PY.charts revision (practical)  (DOAP) |
| **WED** | Demonstration of embryology models of GIT  (Small group discussion) | | BI 3.9,11.17  Fatty Liver and lipotropic factors  (Lecture) | AN 47.12 AN Nerve plexus of posterior abdomenal wall 50.1-50.4 Curvatures of vertebral column, lumbar puncture , scoliosis, lordosis and disc prolapse ( VI OR) (Lecture) | AN 52.2 Histology of Kidney, ureter (C) (Practical)  PY-revision (A) (DOAP)  BI 11.10(B)  Estimation of Triglycerides in serum(Practical) | AN Uterus (Student seminar)  Self directed learning |
| **THU** | Demonstration of embryology models of urinary and reproductive system  (Small group discussion) | | AN 73.1 Chromosomes – Structure and classification (VI IM, PE)  (Lecture) | PY-7.6  Physiology  Of micturation  (Lecture) | PY7.4 Renal clearance and its significance small group discussion | AETCOM/Sports  /Language s |
| **FRI** | BI 5.3  Digestion and absorption of Proteins  (Lecture) | 10-11  CM – SGD 5.5: Nutritional surveillance, Principles of nutritional education and rehabilitation in the context of socio- cultural factors | PY7.8  Renal function test  (HI-BI) (Lecture)  PY9.4  Menstrual cycle  (Lecture) | BI 5.4  General reactions of amino acids and Urea synthesis  (Lecture) | Menustral cycle and contraceptives small group discussion | AETCOM/Sports  /Language s |
| **SAT** | AN 73.2 73.3 Karyotyping, lyon’s hypothesis (VI IM, PE) (Lecture) | Early Clinical Exposure:  PY Visit to Nephrology ward –Renal case discussion | | |  |  | AETCOM/Sports  /Language s |

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| **WEEK-24** | **9.00-11.00 AM** | | **11.00-12.00 NOON** | **12.00-1.00 PM** | **1.00-2.00 PM** | **2.00-4.00 PM** | | **4.00-5.00 PM** |
| **MON** | AN 51.1 Cross section at the level of T8, T10 and L1 (Small group discussion) | | AN 74.1, 74.2 Patterns of inheritance (VI MI, PE)  (Lecture) | PY-7.9  Cystomerty and cystometrogram  (Lecture) | **L**  **U**  **N**  **C**  **H**  **B**  **R**  **E**  **A**  **K** | AN 52.2 Histology of Urinary bladder and prostate(A) (Practical)  PY-Clinical/human revision(B)(DOAP)  BI 11.8, 11.21(C ) Quantitative estimation of serum total protein and albumin, Calculations of A:G ratio | | AN 52.2 Histology of Ovary and uterine tube  (Lecture) |
| **TUE** | AN 51.2 Midsagittal section of male and female pelvis  (Small group discussion) | | PY-7.7  Artificial kidney and applied aspects of renal system  (VI-IM)  (Lecture) | AN 74.3 74.4 Multifactorial inheritance (VI IM, PE)  (Lecture) | AN 52.2 Histology of Urinary bladder and prostate(B) (Practical)  PY-Clinical/human revision(C) (DOAP)  BI 11.8 Quantitative estimation of serum total protein and albumin, Calculations of A:G ratio (A ) | | (Seminar/self directed learning)  PY9.8  Physiology of pregnancy |
| **WED** | Revision of abdomen and pelvic viscera  (Self directed learning) | | BI 5.4  Metabolism of Glycine and Serine  (Lecture) | AN 75.1 Chromosomal aberrations, mosaicism and chimeras (VI PE) (Lecture) | AN 52.2 Histology of Urinary bladder and prostate(C) (Practical)  PY-Clinical/human revision(A) (DOAP)  BI 11.8 Quantitative estimation of serum total protein and albumin, Calculations of A:G ratio (B ) | | AETCOM/Sports  /Language s |
| **THU** | Revision of abdomen and pelvic viscera  (Self directed learning) | | AN 75.3 Edwards, Patau and Prader willi syndrome (VI PE) (Lecture) | PY9.1  Sex determination and differentiation  (HI-AN) (Lecture) | PY9.8,9.11,9.12  Psychological problems during pregnancy.(VI-OG) | | AETCOM/Sports  /Language s |
| **FRI** | BI 5.4  Metabolism of Acidic, Basic AA& Polyamines  (Lecture) | 10-11  CM – L 5.6: National nutrition policy, ICDS | PY9.2,9.11  Puberty  (Lecture) | BI 5.4  Metabolism of Phenyl alanine &Tyrosine  (Lecture) | Revision of amphibian graphs-small group discussion (DOAP) | | AETCOM/Sports  /Language s |
| **SAT** | AN 75.4 Polymorphism and mutations  (VI PE)  (Lecture) | BI 4.3(VI-IM)  Metabolism of Lipoproteins, lipoproteinemias & Fatty Liver  (Integrated teaching) | | |  |  |  | |

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| **WEEK-25** | **9.00-11.00 AM** | | | **11.00-12.00 NOON** | **12.00-1.00 PM** | **1.00-2.00 PM** | | **2.00-4.00 PM** | **4.00-5.00 PM** | |
| **MON** | AN 52.2 Histology of Uterus and cervix  (Small group discussion) | | | AN 75.5 Genetic counselling (VI PE, OG) (Lecture) | PY9.3  Male reproductive system  (Lecture) | **L**  **U**  **N**  **C**  **H**  **B**  **R**  **E**  **A**  **K** | | AN 52.2 Histology of Ovary and uterine tube(A) (Practical)  PY-Practical revision(B) (DOAP)  BI11.21(B)  Estimation of Urea in serum (DOAP)) | AN Overview of Genetics (Lecture) | |
| **TUE** | Revision of systemic histology slides  (Self directed learning) | | | PY PY9.4,9.5  Female reproductive system I  (Lecture) | Overview of development of male and reproductive system  (Self directed learning) | AN 52.2 Histology of Ovary and uterine tube(B) (Practical)  PY-Practical revision(C) (DOAP)  BI11.21(A)  Estimation of Urea in serum  DOAP)) | (Seminar/self directed learning)  PY9.8  Parturation and lactation | |
| **WED** | Revision of systemic histology slides  (Self directed learning) | | | BI 5.4  Metabolism of Tryptophan  (Lecture) | Overview of development of and female reproductive system  (Self directed learning) | AN 52.2 Histology of Ovary and uterine tube(C) (Practical)  BI11.21(V)  Estimation of Urea in serum(DOAP) | AETCOM/Sports  /Language s | |
| **THU** | Revision of systemic histology slides  (Self directed learning) | | | Overview of abdomen and pelvis  (Self directed learning) | PY9.4,9.5  Female reproductive system II  (Lecture) | PY-Small group Discussion  Testosterone and spermatogensis | AETCOM/Sports  /Language s | |
| **FRI** | BI 5.4  Metabolism and Disorders of Sulfur containing amino acids  (Lecture | 10-11  CM – L 5.7; 5.8: Food hygiene; food fortification, effects of additives and adulteration | | Female reproductive system revison | BI 5.4  one carbon metabolism  (Lecture) | Practicals -Demonstration & discussion on Examination of higher mental function | AETCOM/Sports  /Language s | |
| **SAT** | Overview of abdomen and pelvis (Self directed learning) | | FA : Amino acid Metabolism | | |  |  | | |  |

**Timetable for Second Internal Assessment**

**WEEK 26**

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| **DAY** | **9.00-11.00 AM** | **11.00-12.00 NOON** | **12.00-1.00 PM** |
| **MON**  **26/07/21** | 2nd IAS | THEORY |  |
| **TUE**  **27/07/21** | 2nd IAS | THEORY |  |
| **WED**  **28/07/20** | 2nd IAS | THEORY |  |
| **THU**  **29/07/20** | 2nd IAS PRACTICAL | | |
| **FRI**  **30/07/21** | 2nd IAS PRACTICAL | | |
| **SAT**  **31/07/21** | 2nd IAS PRACTICAL | | |

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| **WEEK-27** | **9.00-11.00 AM** | | **11.00-12.00 NOON** | **12.00-1.00 PM** | **1.00-2.00 PM** | **2.00-4.00 PM** | | | **4.00-5.00 PM** |
| **MON** | Removal of brain AN 56.1 Meninges and its modifications (VI IM) (Small group discussion) | | AN 56.2 Circulation of CSF with its applied anatomy (VI IM  HI PY)  (Lecture) | PY9.8  Physiology of pregnancy  (Lecture) | **L**  **U**  **N**  **C**  **H**  **B**  **R**  **E**  **A**  **K** | AN 64.1 Histology of spinal cord(A) (Practical)  PY10.11 Practicals -Demonstration & Examination of higher mental function(B)(DOAP)  BI 11.5, 5.5(C)  Screening of urine for inborn errors (Practical Demonstration) | | | AN 64.1 Histology of Cerebellum  (Lecture) |
| **TUE** | Removal of brain AN 56.1 Meninges and its modifications (VI IM)  (Small group discussion) | | PY9.8  Parturation and lactation  (Lecture) | AN 64.1-64.3 Development of CNS (VI OG PE) (Lecture) | AN 64.1 Histology of spinal cord (B) (Practical)  PY10.11 Practicals -Demonstration & Examination of higher mental function (C) (DOAP)  BI 11.5. 5.5(A)  Screening of urine for inborn errors (Practical Demonstration) | | | PY10.7  CSF(Seminar/self directed learning) |
| **WED** | AN 58.1 -59.3 Brain stem and base of brain  (Small group discussion) | | BI 6.2  De novo synthesis of Purine nucleotides  (Lecture) | AN 57.1- 57.5 Spinal cord (VI IM HI PY) (Lecture) | AN 64.1 Histology of spinal cord(C) (Practical)  PY10.11- Practicals- Demonstration & Examination of higher mental function (A) (DOAP)  BI 11.5,5.5(B)  Screening of urine for inborn errors (Practical Demonstration) | | | AN Chromosomes and karyotyping (Student seminar)  Self directed learning |
| **THU** | AN 58.1 -59.3 Brain stem and base of brain  (Small group discussion) | | AN 58.1-58.4 Medulla oblongata (VI IM HI PY)  (Lecture) | PY9.6,9.7  Contraceptives  VI OG  (Lecture) | PY10.11 practical demonstration-  Examination & Discussion of sensory system  (HI-AN) -(DOAP) | | | AETCOM/Sports  /Language s |
| **FRI** | CM – DOAP 5.2: Nutritional requirement assessment and recommendations to individuals, families and community | | PY9.9,9.10  Semen analysis and pregnancy tests(VI-OG)  (Lecture) | BI 6.2  Metabolism of Pyrimidine nucleotides  (Lecture) | PY Seminar – reproductive physiology | | | AETCOM/Sports  /Language s |
| **SAT** | AN 59.1 -59.3 Pons  (HI PY) (Lecture) | Early clinical exposure : Anatomy- Visit to surgical ward spinal cord injuries | | |  |  |  |  | |

**Timetable for the Seventh Month**

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| **WEEK-28** | **9.00-11.00 AM** | | **11.00-12.00 NOON** | **12.00-1.00 PM** | **1.00-2.00 PM** | | **2.00-4.00 PM** | **4.00-5.00 PM** |
| **MON** | AN 58.1 -59.3 Brain stem and base of brain  (Small group discussion) | | AN 61.1-61.3 Midbrain (VI IM HI PY)  (Lecture) | PY9.12  Infertility  (Lecture) | **L**  **U**  **N**  **C**  **H**  **B**  **R**  **E**  **A**  **K** | | AN 64.1 Histology of Cerebellum(A) (Practical)  PY10.11 Practicals- Examination of sensory system(B) (DOAP)  BI 11.3, 11.4 Batch (C )Analysis of normal constituents of urine (DOAP)- Revision | AN 64.1 Histology of Cerebrum  (Lecture) |
| **TUE** | AN 58.1 -59.3 62.1 Brain stem and base of brain, cranial nerve nuclei with their function  (Small group discussion) | | PY 9.11  Changes during peri menopause and menopause  (Lecture) | AN 60.1 -60.3 Cerebellum (VI IM HI PY) (Lecture) | AN 64.1 Histology of Cerebellum (B) (Practical)  PY10.11 Practicals Examination of sensory system(C) (DOAP)  BI 11.3, 11.4 Batch (A) Analysis of normal constituents of urine (DOAP)- Revision | PY10.6 Tracts of spinal cord(seminar/ self directed learning) |
| **WED** | AN 60.1 -60.3 Cerebellum (VI IM HI PY)  (Small group discussion) | | BI 6.2,6.3, 6.4  Degradation of Purine nucleotides and disorders  (Lecture) | AN 62.2 Cerebral hemisphere -sulci, gyri and functional areas (VI IM HI PY) (Lecture) | AN 64.1 Histology of Cerebellum (C) (Practical)  PY10.11 Practicals- Examination of sensory system(A) (DOAP)  BI 11.3, 11.4 Batch (B)Analysis of normal constituents of urine (DOAP)- Revision | PY10.5  RAS(Small group teaching) |
| **THU** | AN 62.2 Cerebral hemisphere -sulci, gyri and functional areas (VI IM HI PY) (DOAP) | | AN 62.3 White matter of cerebrum (VI IM HI PY)  (Lecture) | PY-9.7  Effects of removal of gonads on physiological function  (Lecture) | PY10.7  Cerebellum-II (V.I- Psychiatry) | AETCOM/Sports  /Language s |
| **FRI** | BI 6.13-15  Adrenal gland function Tests  (Lecture) | 10-11  CM – L 9.1: Principles of Demography, Demographic cycle, Vital statistics | PY10.1  Organization of nervous system  (HI-AN) (Lecture) | BI 6.13-15 Thyroid function Tests  (Lecture) | PY10.1111 practical demonstration  Examination of motor system( except reflexes) (HI-AN) (DOAP) | AETCOM/Sports  /Language s |
| **SAT** | AN 62.4 Basal ganglia and limbic lobe connections (HI PY) (Lecture) | Early clinical exposure : PY Visit medicine ward to see cerebellar disorder | | |  |  | |  |

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| **WEEK-29** | **9.00-11.00 AM** | | **11.00-12.00 NOON** | **12.00-1.00 PM** | | **1.00-2.00 PM** | | **2.00-4.00 PM** | **4.00-5.00 PM** | |
| **MON** | AN 62.2 Cerebral hemisphere -sulci, gyri and functional areas (VI IM HI PY)  (DOAP) | | AN 62.4 Thalamus (VI IM HI PY)  (Lecture) | PY10.7  CSF, BBB,CVO  (HI-AN)  (Lecture)) | | **L**  **U**  **N**  **C**  **H**  **B**  **R**  **E**  **A**  **K** | | AN 64.1 Histology of Cerebrum(A) (Practical)  PY10.11 Practicals -Examination of motor system(B) (DOAP)  BI 11.17(C) Estimation of serum Uric acid (DOAP)) | AN Embryology revision (Lecture) | |
| **TUE** | AN 62.3 White matter of cerebrum (VI IM HI PY) (Small group discussion) | | PY10.6  Spinal cord-1  Cross section and tracts  ( HI AN)  (Lecture) | AN 62.5 Hypothalamus, epithalamus, metathalamus and subthalamus (VI IM HI PY) (Lecture) | | AN 64.1 Histology of Cerebrum (B) (Practical)  PY10.11 Practicals-Examination of motor system(C) (DOAP)  BI 11.17 (A) Estimation of serum Uric acid (DOAP) | PY10.7 Cerebellum(small group teaching) | |
| **WED** | AN 62.4 Basal ganglia (HI PY)  (Small group discussion) | | BI 7.2  Replication and repair of DNA  (Lecture) | AN 62.6 Circle of Willis (VI IM HI PY)  (Lecture) | | AN 64.1 Histology of Cerebrum (C) (Practical)  PY10.11 Practicals -Examination of motor system(A) -(DOAP)  BI 11.17 (B) Estimation of Serum Uric acid (DOAP) | AETCOM/Sports  /Language s | |
| **THU** | AN 62.6 Circle of Willis (VI IM HI PY)  (Small group discussion) | | AN 63.1 Lateral and third ventricle (HI PY) (Lecture) | PY10.6  Spinal cord-II  Lesions and transaction  (Lecture) | | PY10.6  Spinal cord – cross section, tracts and injuries (seminar/Self directed learning)) | AETCOM/Sports  /Language s | |
| **FRI** | BI 7.2  Replication and repair of DNA  (Lecture) | 10-11  CM – L 9.3: Declining sex ratio- causes, its social and health implications | PY 9.8 Revision parturition and lactation | | BI 7.2  Transcription of RNA in prokaryotes  (Lecture) | Part completion test  Reproductive physiology | AETCOM/Sports/  Languages | |
| **SAT** | AN 63.1 63.2 Forth ventricle  (HI PY VI PE) (Lecture) | Biochemistry Tutorials :Replication , Transcription and Translations | | | |  |  | | |  |

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| **WEEK-30** | **9.00-11.00 AM** | | | **11.00-12.00 NOON** | **12.00-1.00 PM** | **1.00-2.00 PM** | **2.00-4.00 PM** | | | **4.00-5.00 PM** | |
| **MON** | AN 63.1 Ventricular system (HI PY VI PE) (Small group discussion) | | | Overview of neuroanatomy  (Self directed learning) | PY10.5  Brainstem reticular formation-(RAS)  ( HI AN)  (Lecture) | **L**  **U**  **N**  **C**  **H**  **B**  **R**  **E**  **A**  **K** | AN Demonstration of embryology models(A) (DOAP)  PY10.11- Practicals-Revision of sensory and motor system(B)(DOAP)  BI 11.12(C)  Demonstration the estimation of serum bilirubin (Practiclal) | | | AN 43.2 Histology of salivary glands  (Lecture) | |
| **TUE** | AN 26.2 26.2 Anatomical position of skull, individual skull bones, Norma Verticalis  (Small group discussion) | | | PY10.2  Receptors, generator potential  properties( HI AN)  (Lecture) | AN 27.1 27.2 Scalp (VI SU) (Lecture) | AN Demonstration of embryology models(B) (DOAP)  PY10.11- Practicals Revision of sensory and motor system(C)(DOAP)  BI 11.12(A)  Demonstration the estimation of serum bilirubin(Practiclal) | | | PY10.7 Cerebellum(seminar/ self directed learning) | |
| **WED** | AN 26.2 26.2 Anatomical position of skull, individual skull bones, Norma Verticalis  (Small group discussion) | | | BI 7.2  Transcription of RNA in eukaryotes ( Lecture ) | AN 28.1 Muscles of facial expression | AN Demonstration of embryology models(C) (DOAP)  PY10.11- Practicals Revision of sensory and motor system(C)(DOAP)  BI 11.12(A)  Demonstration the estimation of serum bilirubin(Practiclal) | | | AETCOM/Sports  /Language s | |
| **THU** | AN 27.1 27.2 Scalp (VI SU)  (Small group discussion)  AN 26.2 Norma Frontalis (DOAP) | | | AN 28.1, blood supply,, nerve supply and applied anatomy of face (Lecture) | PY10.2  Reflexes -I ( HI AN)  (Lecture) | PY10.2  Receptors and synapse (small group teaching) | | | AETCOM/Sports  /Language s | |
| **FRI** | BI 7.2  Synthesis of proteins  (Lecture) | 10-11  CM – L 9.4: Population explosion- causes and consequences, Population dynamics of India | | PY10.2  Reflexes -II  (Lecture) | BI 7.2  Synthesis of proteins  (Lecture) | PY10.11  Practical Demonstration- Examination of superficial reflexes(HI-AN)(DOAP) | | | AETCOM/Sports  /Language s | |
| **SAT** | AN 43.4 Development of Face (Lecture) | | Biochemistry FA: Replication, Transcription and Translation | | |  | |  |  | |  |

**Timetable for the Eighth Month**

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| **WEEK-31** | **9.00-11.00 AM** | | | **11.00-12.00 NOON** | **12.00-1.00 PM** | **1.00-2.00 PM** | | **2.00-4.00 PM** | **4.00-5.00 PM** |
| **MON** | AN 28.1 Muscles of facial expression  (Small group discussion)  AN 26.2 Norma basalis part I  (DOAP) | | | AN 28.9 28.10 Parotid gland (VI SU)  (Lecture) | PY10.3  Somatosensory system  ( HI AN)  (Lecture) | **L**  **U**  **N**  **C**  **H**  **B**  **R**  **E**  **A**  **K** | | AN 43.2 Histology of salivary glands(A) (Practical)  PY10.11Practical- Examination of superficial reflexes(B)(DOAP)  BI 11.14(C)  Demonstration the estimation of Alkaline Phosphatase  (Practiclal) | AN 43.2 Histology of Pituitary gland  (Lecture) |
| **TUE** | AN 28.9 28.10 Parotid gland (VI SU)  (Small group discussion)  AN 26.2 Norma basalis part II (DOAP) | | | PY10.3  Pain and analgesic system( HI AN  (Lecture) | AN 43.4 Branchial apparatus (Lecture) | AN 43.2 Histology of salivary glands(B) (Practical)  PY10.11 Practical -Examination of superficial reflexes(C)(DOAP)  BI 11.14(A)  Demonstration the estimation of Alkaline Phosphatase  (Practiclal) | PY10.2 Reflexes  (seminar/self directed learning) |
| **WED** | AN 28.9 28.10 Parotid gland (VI SU)  (Small group discussion) | | | BI 7.2  Post translational modification of proteins  (Lecture) | AN 29.1 -29.4 Posterior triangle of neck (VI SU) (Lecture) | AN 43.2 Histology of salivary glands(C) (Practical)  PY10.11 Practical -Examination of superficial reflexes(A)(DOAP)  BI 11.14(B)  Demonstration the estimation of Alkaline Phosphatase  (Practiclal) | AN Spinal cord (Student seminar)  Self directed learning |
| **THU** | AN 29.1 -29.4 Posterior triangle of neck (VI SU) (DOAP)  AN 26.4 Mandible (DOAP) | | | AN 26.3 Interior of cranial cavity part I (DOAP) | PY10.4  Pyramidal tract and Internal capsule( HI AN)  (Lecture) | PY10.3  Pain pathway( small group teaching) | AETCOM/Sports  /Language s |
| **FRI** | BI 9.3  Protein targeting and sorting  (Lecture) | 10-11  CM – SGD 9.5, 9.6: Population control- methods; National population policy | | PY10.4  Control of tone and  Posture ( HI AN)  (Lecture) | BI 7.2  Mutations  (Lecture) | PY10.3,10.4  Pyramidal pathway and dorsal column (small group teaching) | AETCOM/Sports  /Language s |
| **SAT** | AN 26.3 Interior of cranial cavity part II (DOAP) | | Early clinical exposure: Anatomy -Visit to surgical wards – case of neck swelling | | |  |  | |  |

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| **WEEK-32** | **9.00-11.00 AM** | | | **11.00-12.00 NOON** | **12.00-1.00 PM** | **1.00-2.00 PM** | | **2.00-4.00 PM** | | **4.00-5.00 PM** | |
| **MON** | AN 30.1 30.2 30.5 Cranial fossa and related structures. Major foramen and structures passing through them(VI SU) (DOAP) | | | AN 30.3 30.4 Dural folds and venous sinuses (Lecture) | PY10.4  Equilibrium and vestibular apparatus( HI AN)  (Lecture) | **L**  **U**  **N**  **C**  **H**  **B**  **R**  **E**  **A**  **K** | | AN 43.2 Histology of Pituitary gland(A) (Practical)  PY10.11 – Practical Revision-Examination of superficial reflexes(B)(DOAP)  BI 11.8 Batch (C) Quantitative estimation of serum total protein and albumin, Calculations of A:G ratio | | AN Revision of embryology (Lecture) | |
| **TUE** | AN 30.3 30.4 Dural folds and venous sinuses  (Small group discussion) | | | PY10.5  Autonomic nervous system( HI AN)  (Lecture) | AN 43.4 Development of Pituitary gland (Lecture) | AN 43.2 Histology of Pituitary gland(B) (Practical)  PY10.11 Practical Revision-Examination of superficial reflexes(C)(DOAP)  BI 11.8 Batch (A) Quantitative estimation of serum total protein and albumin, Calculations of A:G ratio (A ) | | PY10.3 Pain pathway(seminar/self directed learning) | |
| **WED** | AN 31.1 31.4 extraocular muscles of Eyeball and lacrimal apparatus (VI OP) (Small group discussion) | | | BI 7.2  Control of gene expression-1  (Lecture) | AN 31.1 31.3 31.5 Extraocular muscles of eyeball with nerves and vessels (VI OP) (Lecture) | AN 43.2 Histology of Pituitary gland(C) (Practical)  PY10.11 Practical Revision-Examination of superficial reflexes(A)(DOAP)  BI 11.8 Batch (B) Quantitative estimation of serum total protein and albumin, Calculations of A:G ratio (B ) | | PY  BASAL GANGLIA(small group discussion) | |
| **THU** | AN 31.1 31.4 Extraocular muscles of Eyeball and lacrimal apparatus (VI OP) (Small group discussion) | | | AN 31.4 Lacrimal apparatus (VI OP) (Lecture) | PY10.7  Cerebellum-I  ( HI AN)  (Lecture) | PY10.8  Normal EEG form (small group discusion) | | AETCOM/Sports  /Language s | |
| **FRI** | BI 7.2  Control of gene expression-2  (Lecture) | 10-11  CM – SGD 9.7: Sources of vital statistics including Census, SRS, NFHS, NSSO | | Py 10.5  Revision Autonomic nervous system | BI 4.1, 11.24 Respiratory distress Syndrome (Self Directed learning) | Part completion test:physiology  Central nervous system | | AETCOM/Sports  /Language | |
| **SAT** | AN 32.1 32.2 Anterior triangle of neck (Lecture) | | ECE-PY Visit medical word – stroke, cranial nerve injury and speech disorder | | |  |  | |  | |  |

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| **WEEK-33** | **9.00-11.00 AM** | | | **11.00-12.00 NOON** | **12.00-1.00 PM** | **1.00-2.00 PM** | **2.00-4.00 PM** | | | **4.00-5.00 PM** |
| **MON** | AN 32.1 32.2 Anterior triangle of neck (DOAP)  AN 26.2 Norma lateralis  (DOAP) | | | AN 33.1 33.2 33.4 Temporal region and infratemporal region – boundaries and contents (Lecture) | PY10.7  Cerebellum-II  ( HI AN)  (Lecture) | **L**  **U**  **N**  **C**  **H**  **B**  **R**  **E**  **A**  **K** | AN Demonstration of embryology models(A) (DOAP)  PY10.11 Practical Examination of deep reflexes(B)(DOAP)  BI 11.24(C)  Role of Unsaturated, saturated and trans fats(Small group discussion) | | | AN 43.2 Histology of Thyroid and parathyroid gland  (Lecture) |
| **TUE** | AN 32.1 32.2 Anterior triangle of neck  (DOAP) | | | PY10.7  Thalamus  ( V.I- Psychiatry (HI AN) | AN 43.1 Atlantooccipital and atlantoaxial joint  (Lecture) | AN Demonstration of embryology models(B) (DOAP)  PY10.11 Practical -Examination of deep reflexes(C)(DOAP)  BI 11.24(A)  Role of Unsaturated, saturated and trans fats(Small group discussion) | | | PY10.9Speech physiology  ( small group discussion) |
| **WED** | AN 33.1 33.2 33.4 Temporal region and infratemporal region – boundaries and contents (Small group discussion) | | | BI 7.4  PCR and blotting techniques  (Lecture) | AN 33.3 33.5 Temporomandibular joint (VI SU) (Lecture) | AN Demonstration of embryology models(C) (DOAP)  PY10.11 Practical -Examination of deep reflexes(A)(DOAP)  BI 11.24(B)  Role of Unsaturated, saturated and trans fats (Small group discussion) | | | AETCOM/Sports  /Language s |
| **THU** | AN 33.2 Muscles of mastication (VI SU)  (Small group discussion) | | | AN 26.5 26.7 Typical and atypical cervical vertebra, features of 7th cervical vertebra (Lecture) | PY10.7  Basal ganglia-I( HI AN)  (Lecture ) | PY11.11  Brain death – concept, diagnosis and implication( Lecture) | | | AETCOM/Sports  /Language s |
| **FRI** | BI 7.4 Cloning and r DNA technology  (Lecture) | 10-11  CM – DOAP 5.4: Recommendation of suitable/ balanced diet for individuals and families based on local availability of foods and economic status | | PY10.7  Basal ganglia-II( HI AN)  (Lecture ) | BI 7.2 , 7.2 & 7.4 Gene therapy, DNA probes and DNA polymorphism  (Lecture) | PY10.7  Cerebellum  ( Small group discussion) PY10.9  Speech and its disorder(V.I-PS)  (Lecture) | | | AETCOM/Sports  /Language s |
| **SAT** | AN 34.1 34.2 Submandibular region (VI SU) (Lecture) | | ECE- Biochemistry Visit to Central Biochemistry Laboratory | | |  |  |  |  | |

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| **WEEK-34** | **9.00-11.00 AM** | | | **11.00-12.00 NOON** | | | **12.00-1.00 PM** | | **1.00-2.00 PM** | | **2.00-4.00 PM** | | | | | **4.00-5.00 PM** | |
| **MON** | AN 34.1 34.2 Submandibular region (VI SU)  (Small group discussion) | | | AN 35.1 Deep cervical fascia  (Lecture) | | | PY10.7  Limbic system  ( V.I- PS HI AN)  (Lecture) | | **L**  **U**  **N**  **C**  **H**  **B**  **R**  **E**  **A**  **K** | | AN 43.2 Histology of Thyroid and parathyroid gland (A) (Practical)  PY10.11 Practicals–Revision -Examination of deep reflexes(B)(DOAP)  BI11.16, 11.19 Batch C: Blood gas analysis using ABG analyzer (Demonstration) | | | | | AN 43.2 Histology of tonsil and epiglottis  (Lecture) | |
| **TUE** | AN 34.1 34.2 Submandibular region (VI SU)  (Small group discussion) | | | PY10.7  Hypothalamus –I  ( V.I- PS,HI AN)  (Lecture) | | | AN 43.4 Development of tongue and thyroid gland  (Lecture) | | AN 43.2 Histology of Thyroid and parathyroid gland (B) (Practical)  PY10.11 Practicals Revision - Examination of deep reflexes (C)(DOAP)  BI11.16, 11.19 Batch A: Blood gas analysis using ABG analyzer (Demonstration) | | | | | PY8.2 Growth hormone  (seminar/ self directed learning) | |
| **WED** | AN 35.3 35.4 Demonstrate course and branches of subclavian artery, internal jugular and brachiocephalic veins  (DOAP) | | | BI 6.7  Acid-Base balance-buffers  (Lecture) | | | AN 35.2 Thyroid gland (VI SU) (Lecture) | | AN 43.2 Histology of Thyroid and parathyroid gland (C) (Practical)  PY10. Practicals Revision - Examination of deep reflexes (A)(DOAP)  BI11.16, 11.19 Batch B: Blood gas analysis using ABG analyzer (Demonstration) | | | | | AETCOM/Sports  /Language s | |
| **THU** | AN 35.2 35.8 Thyroid gland (VI SU) | | | AN 35.5 Cervical lymph nodes (Extent, drainage and applied anatomy) VI SU  (Lecture) | | | PY10.7  Hypothalamus –I  ( V.I- PS,HI AN)  (Lecture) | | CASE HISTORY-Small group Discussion | | | | | AETCOM/Sports  /Language s | |
| **FRI** | BI 6.7  Acid-Base balance by respiratory and renal mechanism  (Lecture) | 10-11  CM – DOAP 5.4: Recommendation of suitable/ balanced diet for individuals and families based on local availability of foods and economic status | | PY10.7  Cerebral cortex  ( V.I- PS HI AN) | | | BI 6.7  Disorders of Acid-Base Balance  Lecture | | PY10.11  Practicals Demonstration-Examination of cranial nerve I-VI(HI-AN)DOAP) | | | | | AETCOM/Sports  /Language s | |
| **SAT** | AN 43.4 Development of Palate (Lecture) | | BI 6.8 (VI-1M)  Seminar: Disorders of Acid-Base balance and interpretation of ABG | | | | | |  |  | | |  | | | |  |
| **WEEK35** | **9.00-11.00 AM** | | | | **11.00-12.00 NOON** | | | **12.00-1.00 PM** | **1.00-2.00 PM** | | **2.00-4.00 PM** | | | | **4.00-5.00 PM** | | |
| **MON** | AN 35.6 35.7 Demonstrate course and branches of IX, X, XI, XII cranial nerves and cervical sympathetic chain (Small group discussion) | | | | AN 36.1 36.2 36.4 Palatine tonsil (VI EN) (Lecture) | | | (Lecture)  PY10.8,10.12  Sleep& EEG(V.I-PS)  (Lecture) | **L**  **U**  **N**  **C**  **H**  **B**  **R**  **E**  **A**  **K** | | AN 43.2 Histology of tonsil and epiglottis(A) (Practical)  PY10.11 Practicals -Examination of cranial nerve I-VI(B)(DOAP)  BI 11.2,11.16,11.19( (C) Preparation of buffers and estimation of pH  Practical Demonstration | | | | AN 43.2 Histology of tongue (Lecture) | | |
| **TUE** | AN 35.9 35.10 Describe compression of subclavian artery and lower trunk of brachial plexus and fascial spaces of neck (VI SU) (Small group discussion) | | | | PY10.9  Learning and memory(V.I-PS)  (Lecture) | | | AN 37.1 Nasal septum and lateral wall of nose (VI EN)  (Lecture) | AN 43.2 Histology of tonsil and epiglottis(B) (Practical)  PY10.11 Practicals -Examination of cranial nerve I-VI(C)(DOAP)  BI 11.2,11.16,11.19( (A) Preparation of buffers and estimation of pH  Practical Demonstration | | | | PY8.2Thyroid hormones(seminar/self directed learning) | | |
| **WED** | AN 37.1 Nasal septum and lateral wall of nose (VI EN) (Small group discussion) | | | | BI 8.1  Nutrition-importance of dietary components  (Lecture) | | | AN 37.2 37.3 Paranasal sinuses (VI EN)  (Lecture) | AN 43.2 Histology of tonsil and epiglottis(C) (Practical)  PY10.1 Practicals -1Examination of cranial nerve I-VI(A)(DOAP)  BI 11.2,11.16,11.19(B) Preparation of buffers and estimation of pH  Practical Demonstration | | | | AETCOM/Sports  /Language s | | |
| **THU** | AN 36.1 36.2 36.4 Palatine tonsil (VI EN)  (Small group discussion) | | | | AN 38.1 – 38.3, 36.3, 36.5 Larynx I(VI EN) (Lecture) | | | PY 10.9  Speech and its disorders  PY8.2,8.4,8.5  Glucocorticoids  (HI-BI) 1  (Lecture) | PY8.2, 8.4calcium homeostasis(small group discussion) | | | | AETCOM/Sports  /Language s | | |
| **FRI** | BI 8.1  Nutrition-BMR, SDA  (Lecture) | | 10-11  CM – DOAP 9.2: Calculation and interpretation of demographic indices including BR, DR, Fertility rates – PART I | | (Lecture)  PY8.1-8.6  Introduction to endocrinology  Mechanism of hormonal action  (Lecture) | | | BI 8.3,8.5  Nutrition-Balanced diet  (Lecture) | Examination of cranial nerve I-VI discussion | | | | AETCOM/Sports  /Language s | | |
| **SAT** | AN 38.1 – 38.3, 36.3, 36.5  LarynxII (VI EN) (Lecture) | | | | | **Early clinical exposure -**  **Vivit to ENT department for cases of ASOM, CSOM, Tonsilitis & laryngeal disorders** | | |  | | |  | |  | | | |

**Timetable for the Ninth Month**

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| **WEEK-36** | **9.00-11.00 AM** | | **11.00-12.00 NOON** | **12.00-1.00 PM** | **1.00-2.00 PM** | | **2.00-4.00 PM** | | **4.00-5.00 PM** | |
| **MON** | AN 38.1 – 38.3, 36.3, 36.5 Larynx, (VI EN)  (Small group discussion) | | AN 39.1 39.2 43.4 tongue along with its development  (Lecture) | PY8.2 Endocrine aspects of hypothalamus and pituitaryHypothalamo- hypophyseal  System  (Lecture) | **L**  **U**  **N**  **C**  **H**  **B**  **R**  **E**  **A**  **K** | | AN 43.2 Histology of tongue (A) (Practical)  PY10.11- Practicals Revision- Examination of cranial nerve I-VI(B)(DOAP0  BI 11.23(C)  Calculation of energy content of Food Items (Small group discussion) | | AN Upper limb spotters (Small group discussion) | |
| **TUE** | AN 36.3 36.5 Pharynx (VI EN)  (Small group discussion) | | PY8.2  Growth hormone  (Lecture) | AN 40.1 40.2 40.4 40.5 External and middle ear (VI EN)  (Lecture) | AN 43.2 Histology of tongue (B) (Practical)  PY10.11- Practicals Revision- Examination of cranial nerve I-VI(C)(DOAP)  BI 11.23(A)  Calculation of energy content of Food Items (Small group discussion) | | PY8.2,8.4,8.5 Glucocorticoids(small group discussion) | |
| **WED** | AN 39.1 39.2 43.4 tongue along with its development (Small group discussion) | | BI 8.3,8.5 Nitrogen balance & Dietary fibers  Lecture | AN 40.3 43.3 Features of inner ear and microanatomy of organ of corti(VI EN)  (Lecture) | AN 43.2 Histology of tongue (C) (Practical)  PY10.11- Practicals Revision Examination of cranial nerve I-VI(A)(DOAP)  BI 11.23(B)  Calculation of energy content of Food Items (Small group discussion | | AN Nasal septum and lateral wall of nose (Student seminar)  Self directed learning | |
| **THU** | AN 40.1 40.2 40.4 40.5 External and middle ear (VI EN)  (Small group discussion) | | AN 41.1 -41.3 Eyeball (VI OP)  (Lecture) | PY8.2  ADH & oxytocin  (Lecture) | PY11.6,11.9,11.10  Physiology of infancy,Interpret growth chart and anthropometric assessment of infants (VI-Paediatrics) (Small group discussion) | | AETCOM/Sports  /Language s | |
| **FRI** | BI 8.3,8.5  Glycemic index & calculation of caloric requirement  (Lecture) | 10-11  CM – DOAP 9.2: Calculation and interpretation of demographic indices including BR, DR, Fertility rates – PART I | PY8.2  Synthesis and mechanism of action of thyroid hormones  (Lecture) | BI 8.3,8.5 Dietary advice in childhood, DM, CAD, Pregnancy  Lecture | PY8.1, 8.2  Calcium homeostasis- role of PTH, VIT D, Calcitonin (seminar/self directed learning) | | AETCOM/Sports  /Language s | |
| **SAT** | AN43.4 Development of eye (Lecture) | ECE- PY Visit medical ward- endocrine abnormalities | | |  |  | |  | |  |

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| **WEEK-37** | **9.00-11.00 AM** | | | | **11.00-12.00 NOON** | | | **12.00-1.00 PM** | | **1.00-2.00 PM** | | **2.00-4.00 PM** | | | **4.00-5.00 PM** |
| **MON** | AN 26.3 Norma occipitalis  AN 41.1 -41.3 Eyeball (VI OP)  (Small group discussion) | | | | AN 43.3 Microanatomy of olfactory epithelium eyelid, sclerocorneal junction , optic nerve and pineal gland (Lecture) | | | Thyroid functions and disorders (HI-BI)  (Lecture) | | **L**  **U**  **N**  **C**  **H**  **B**  **R**  **E**  **A**  **K** | | AN 43.2 Histology of Cornea and retina (A) (Practical)  PY10.11-Practical Revision-Examination of sensory, motor, reflexes(B)(DOAP)  BI 11.17 (C) Basis of biochemical tests in  Dyslipidemia, DM and MI | | | AN Thorax spotters  (Small group discussion) |
| **TUE** | AN 42.1 Contents of vertebral canal  (Small group discussion) | | | | PY8.2,8.4  PY8.2  Other anterior pituitary hormones and applied aspects | | | AN 42.2 42.3 Suboccipital triangle  (Lecture) | | AN 43.2 Histology of Cornea and retina (B) (Practical)  PY10.11- Practical Revision-Examination of sensory, motor, reflexes(C)(DOAP)  BI 11.17 (A) Basis of biochemical tests in  Dyslipidemia, DM and MI | | | PY8.2,8.4,,8.5  Endocrine pancreas(small group discussion) |
| **WED** | AN 42.2 42.3 Suboccipital triangle  (Small group discussion) | | | | BI11.19  Plasma proteins—1  (Lecture) | | | Overview of head and neck- part I (Self directed learning) | | AN 43.2 Histology of Cornea and retina (C) (Practical)  PY10.11- Practical Revision -Examination of sensory, motor, reflexes(A)(DOAP)  BI 11.17 (B)Basis of biochemical tests in  Dyslipidemia, DM and MI | | | PY8.2,8.4 minerellocorticoids(small group discussion) |
| **THU** | Overview of head and neck- part  I I (Self directed learning) | | | | Overview of head and neck- part  I I (Self directed learning) | | | PY8.2 Revision-Actions of thyroid hormones | | Part completion test:  Physiology- Endocrinology | | | AETCOM/Sports  /Languages |
| **FRI** | BI11.19  Plasma proteins-2  (Lecture) | 10-11  CM – DOAP 9.2: Calculation and interpretation of demographic indices including BR, DR, Fertility rates – PART II | | | PY8.1,8.2  Physiology of bone and calcium metabolism  PTH  (Lecture) | | | BI8.2,8.4  PEM, Obesity  Lecture | | PY10.11  Practical Demonstration- Eamination of cranial nerve VII-XII(HI-AN)(DOAP) | | | AETCOM/Sports  /Language s |
| **SAT** | Overview of head and neck part III (Self directed learning) | Early Clinical Exposure: Biochemistry  PEM and Obesity | | | | | | | |  |  | |  | |  |
| **WEEK-38** | **9.00-11.00 AM** | | | **11.00-12.00 NOON** | | | **12.00-1.00 PM** | | **1.00-2.00 PM** | | | **2.00-4.00 PM** | | **4.00-5.00 PM** | |
| **MON** | AN 43.5 Testing of important muscles and palpation of important vessels of head and neck (VI SU) (DOAP) | | | Revision and demonstration of embryology models (DOAP) | | | PY8.1,8.2  Calcium homeostasis and applied aspects  (Lecture) | | **L**  **U**  **N**  **C**  **H**  **B**  **R**  **E**  **A**  **K** | | | AN 43.2 Revision of systemic histology slides(A) (Small group discussion)  PY10.11- Practical -Eamination of cranial nerve VII-XII(B)(DOAP)  BI 11.16, 11.19(C)  Serum protein electrophoresis, types & applications  (Practiclal Demonstration) | | AN Histology spotters  (Small group discussion) | |
| **TUE** | AN 43.6 Surface anatomy of Head and neck (VI GS) (DOAP) | | | PY8.2,8.4,8.5  Glucocorticoids  (HI-BI) 11  (Lecture) | | | Revision of head and neck , brain and demonstration of embryology models (DOAP) | | AN 43.2 Revision of systemic histology slides(B) (Small group discussion)  PY10.11 Practical -Eamination of cranial nerve VII-XII(C)(DOAP)  BI 11.16, 11.19(A)  Serum protein electrophoresis, types & applications  (Practiclal Demonstration) | | PY 10.15 Physiological anatomy of ear and transmission (small group discussion) | |
| **WED** | AN 43.7 Radiology of Head and neck (VI RD)  (Small group discussion) | | | BI 6.7  Water balance  Lecture | | | Revision of head and neck , brain and demonstration of embryology models (DOAP) | | AN 43.2 Revision of systemic histology slides(C) (Small group discussion)  PY10.11 Practical -Eamination of cranial nerve VII-XII(A)(DOAP)  BI 11.16, 11.19(B)  Serum protein electrophoresis, types & applications  (Practiclal Demonstration) | | AETCOM/Sports  /Language s | |
| **THU** | AN 43.8 43.9 Carotid and vertebral angiogram (VI RD) (Small group discussion) | | | Revision of head and neck , brain and demonstration of embryology models (DOAP) | | | PY8.2,8.4  Minerelocorticoids and sex steroids  (HI-BI)  (Lecture) | | PY10.13,10.14  Smell and taste pathway ( small group discussion) | | AETCOM/Sports  /Language s | |
| **FRI** | BI 6.7  Electrolyte Balance  (Lecture) | | 10-11  CM – DOAP 9.2: Calculation and interpretation of demographic indices including BR, DR, Fertility rates – PART II | | | PY8.2,8.4  Hormones of adrenal medulla  (HI-BI)  (Lecture)  (Lecture) | BI 7.5  Role of Xenobiotics in diseases  (Lecture) | | PY10.15, 10.16  Auditory pathway and deafness(small group discussion) | | AETCOM/Sports  /Language s | |
| **SAT** | Revision of head and neck , brain and demonstration of embryology models  (Small group discussion) | | Biochemistry –Tutorials: Haem metabolism, antioxidants, xenobiotics | | | | | |  | |  | | |  | |

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| **WEEK-39** | **9.00-11.00 AM** | | **11.00-12.00 NOON** | **12.00-1.00 PM** | **1.00-2.00 PM** | **2.00-4.00 PM** | | **4.00-5.00 PM** |
| **MON** | AN 14.1 Osteology of Hip bone part I (DOAP)  AN 15.1 superficial nerves and vessels of anterior thigh  (Small group discussion) | | AN 15.2 Anterior compartment of thigh  (Muscles, nerve supply and action) (Lecture) | PY8.2,8.4,,8.5  Endocrine pancreas –I  (Lecture) | **L**  **U**  **N**  **C**  **H**  **B**  **R**  **E**  **A**  **K** | AN 43.2 Revision of systemic histology slides(A) (Small group discussion)  PY10.11- practical Revision- Examination of cranial nerve I-XII(B)(DOAP)  BI 11.16, 11.19 (C)  Electrolyte analysis by ISE  (Practiclal Demonstration) | | AN Abdomen spotters  (Small group discussion) |
| **TUE** | AN 14.1 Osteology of Hip bone Part II  (DOAP) | | PY8.2,8.4,,8.5  Endocrine pancreas-II  (HI-BI)  (Lecture) | AN 15.3 15.4 Femoral triangle (VI SU)  (Lecture) | AN 43.2 Revision of systemic histology slides(B) (Small group discussion)  PY10.11- practical Revision- Examination of cranial nerve I-XII(C)(DOAP)  BI 11.16, 11.19 (A)  Electrolyte analysis by ISE  (Practiclal Demonstration) | | PY10.18  Visual pathway and effects of lesion(small group discussion) |
| **WED** | AN 14. 1 14.3 Osteology of femur (VI FM) (DOAP) | | BI6.13  Renal function tests  Lecture | AN 15.2 Medial compartment of thigh (Lecture) | AN 43.2 Revision of systemic histology slides(C) (Small group discussion)  PY10.11- practical Revision- Examination of cranial nerve I-XII(A)(DOAP)  BI 11.16, 11.19 (B)  Electrolyte analysis by ISE  (Practiclal Demonstration) | | AETCOM/Sports  /Language s |
| **THU** | AN 15.2 Anterior compartment of thigh  (Small group discussion) | | AN 15.5 Adductor canal  (Lecture) | PY8.3  Thymus and pineal gland  (Lecture) | PY10.18,10.17  pupillary and accommodation pathway  (small group discussion) | | AETCOM/Sports  /Language s |
| **FRI** | BI6.13  Renal function tests  Lecture) | 10-11  CM - Role of effective communication skills in health/ Doctor patient encounter observation - AETCOM | (Lecture)  PY10.13,10.14  Physiology of smell and taste(VI-EN  (Lecture)) | BI 17.6, 7.7  Antioxidants and free radicals  Lecture) | PY10.20  practical Demo- Perimetry(VI-Opthol)(DOAP) | | AETCOM/Sports  /Language s |
| **SAT** | AN 20.3 20.5 Venous drainage of lower limb and anatomical basis of varicose veins) (Lecture) | Community Medicine :Field visit to primary health centre | | |  | |  |  |

**Timetable for the Tenth Month**

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| **WEEK-40** | **9.00-11.00 AM** | | | **11.00-12.00 NOON** | **12.00-1.00 PM** | **1.00-2.00 PM** | | **2.00-4.00 PM** | **4.00-5.00 PM** | |
| **MON** | AN 15.3 15.4 Femoral triangle (VI SU)  (Small group discussion) | | | AN 16.1 16.3 Gluteal region (VI SU) (Lecture) | PY10.15  Transmission of sound waves, mechanism of hearing pitch, sound localization(VI-EN)  (Lecture) | **L**  **U**  **N**  **C**  **H**  **B**  **R**  **E**  **A**  **K** | | AN Demonstration of embryology models(A) (DOAP)  PY10.20 practical Perimetry (B)(DOAP)  BI 11.17 Batch (C) Basis of biochemical tests in Renal Failure and Gout (small group Discussion) | AN Pelvis Spotters  (Small group discussion) | |
| **TUE** | AN 15.2 15.5 Medial compartment of thigh and adductor canal  (Small group discussion) | | | PY10.15,10.16,10.19- auditary pathway, deafness, audiogram, BAEP  (VI-EN)  (Lecture) | AN 16.4 16.5 Back of thigh (Lecture) | AN Demonstration of embryology models(B) (DOAP)  PY10.20 practical Perimetry (C)(DOAP)  BI 11.17 Batch (A) Basis of biochemical tests in Renal Failure and Gout (small group Discussion) | PY10.17  Refractory errors  (small group discussion) | |
| **WED** | AN 16.4 16.5 Back of thigh  (Small group discussion) | | | BI 6.13,6.14  Liver Function Tests  (Lecture) | AN 14.1 14.3 Tibial & sciatic nerve (VI FM)  (Lecture) | BI 11.17 Batch (B) Basis of biochemical tests in Renal Failure and Gout (small group Discussion) | | AETCOM/Sports  /Language s |
| **THU** | AN 14.1 14.3 Tibial (VI FM)  (Small group discussion) | | | AN 16.6 Popliteal fossa (Lecture) | PY10.17  Vision- eyeball, retina and aqueous humor  (VI-OP)  (Lecture) | PY11.4  Basic life support  (VI- IM,AS)  (DOAP) | AETCOM/Sports  /Language s | |
| **FRI** | BI 6.13,6.14  Liver Function Tests  (Lecture) | 10-11  CM – 1.3: Agent, host and environmental factors in health and disease, Multifactorial aetiology of disease- TUTORIALS | | PY10.17  Optics of eye, ref errors, visual acuity(VI-OP)  (Lecture) | BI6.13  Gastric function test  Lecture) | PY  Charts(Small group Discussion (reproductive & endocrine physiology) | AETCOM/Sports  /Language s | |
| **SAT** | AN 17.1 -17.3 Hip joint (VI OR) (Lecture) | | Early Clinical Exposure: Anatomy  Visit to surgery OT for seeing operation of femoral hernia, varicose veins, demonstration of Trendlenburg test/ Visit to ortho wards – case of fracture of neck of femur | | |  |  | | |  |

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| **WEEK-41** | **9.00-11.00 AM** | | **11.00-12.00 NOON** | **12.00-1.00 PM** | **1.00-2.00 PM** | **2.00-4.00 PM** | | **4.00-5.00 PM** |
| **MON** | AN 16.6 Popliteal fossa (Small group discussion)  AN 14.1 Fibula (DOAP) | | AN 18.1 – 18.3 Anterior compartment of leg and dorsum of foot (VI SU)  (Lecture) | Py10.17  Photoreceptors mechanism visual cycle  Light and dark adaptation(VI-OP) | **L**  **U**  **N**  **C**  **H**  **B**  **R**  **E**  **A**  **K** | AN 14.4 Articulate foot osteology(A) (DOAP)  PY10.20 practical - Perimetry revision(B)(DOAP)  BI 2.2,11.13 Batch (C)  Estimation of Serum AST and ALT | | AN Neuroanatomy spotters  (Small group discussion) |
| **TUE** | AN 17.1 -17.3 Hip joint (VI OR)  (Small group discussion) | | PY10.18  Visual pathway and effects of lession(VI-OP)  (Lecture) | AN 18.4 -18.7 Knee joint (VI OR) (Lecture) | AN 14.4 Articulate foot osteology(B) (DOAP)  PY10.20 practical - Perimetry revision(C)(DOAP)  BI 2.2,11.13 Batch (A)  Estimation of Serum AST and ALT  (Practiclal Demonstration) | | PY  CNS Revision  (small group discussion) |
| **WED** | AN 18.1 – 18.3 Anterior compartment of leg and dorsum of foot (VI SU) (Small group discussion) | | BI6.13 BI6.13  Pancreatic function tests & Gut hormones  (Lecture) | AN 19.1 19.2 19.3 19.4 Back of leg (VI SU)  (Lecture) | AN 14.4 Articulate foot osteology(C) (DOAP)  PY10.20 practical- Perimetry revision(A)(DOAP)  BI 2.2,11.13 Batch (B)  Estimation of Serum AST and ALT  (Practiclal Demonstration) | | PY  CNS Revision  (small group discussion) |
| **THU** | AN 18.4 -18.7 Knee joint (VI OR)  (Small group discussion) | | AN 20.3 20.4 Lymphatic drainage and dermatome of lower limb (VI SU)  (Lecture) | PY10.17, 10.19  Colour vision , colour blindness, field of vision, VEP(VI-OP)  (Lecture) | PY10.13,10.15,10.18  Special senses pathways- visual, auditory, taste  (Seminar/self dependent learning) | | AETCOM/Sports  /Language s |
| **FRI** | BI 9.1,9.2  Component of the ECM  (Lecture) | 10-11  CM –1.5: Levels of prevention, Modes of intervention - TUTORIALS | PY10.17  Pupillary reflexes, accommodation response(VI-OP)  (Lecture) | BI 9.1,9.2  Functions of the ECM  (Lecture) | PY10.7  basal ganglia and its disorders  (Small group discussion) | | AETCOM/Sports  /Language s |
| **SAT** | Naming of muscles , nerves and vessels of sole in brief (Lecture) | ECE-PY visit medical ward - cranial nerve palsy | | |  |  |  | |

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| **WEEK-42** | **9.00-11.00 AM** | | | **11.00-12.00 NOON** | **12.00-1.00 PM** | **1.00-2.00 PM** | **2.00-4.00 PM** | | **4.00-5.00 PM** | |
| **MON** | AN 19.1 19.2 19.3 19.4 Back of leg (VI SU)  (Small group discussion) | | | AN 20.1 Tibiofibular joint  (Lecture) | PY11.1,11.2,11.3  Temperature regulation  (Lecture) | **L**  **U**  **N**  **C**  **H**  **B**  **R**  **E**  **A**  **K** | AN Revision of systemic histology slides(A) (Small group discussion)  PY-practical Revision- clinical physiology(B)(DOAP)  BI 11.17 Batch (C) Basis of biochemical tests in Proteinuria and Edema(small group Discussion) | | AN Head and neck spotters (Small group discussion) | |
| **TUE** | AN 20.2 Subtalar and transverse tarsal joint (Small group discussion) | | | PY11.6  Physiology of ageing  (Lecture) | AN 20.1 Ankle joint  (Lecture) | AN Revision of systemic histology slides(B) (Small group discussion)  PY- practical Revision clinical physiology(C)(DOAP)  BI 11.17 Batch (A) Basis of biochemical tests in Proteinuria and Edema (small group Discussion) | | PY  Revision- Endocrine  (Small group discussion) | |
| **WED** | AN Sole of foot  (Small group discussion) | | | BI 9.1,9.2  Tissue proteins in health and disease  (SDL) | AN 20.2 Subtalar and transverse tarsal joint  (Lecture) | AN Revision of systemic histology slides(C) (Small group discussion)  PY- practical Revision clinical physiology(A)(DOAP)  BI 11.17 Batch (B) Basis of biochemical tests in Proteinuria and Edema(small group Discussion) | | BI Student seminar: Mutations  (Self directed learning) | |
| **THU** | AN Sole of foot  (Small group discussion) | | | AN 20.3 Fascia lata, flexor and extensor retinaculum of foot (Lecture) | PY11.12  Physiological effect of meditation  (Lecture) | PY  Revision- Endocrine  (Small group discussion) | | AETCOM/Sports  /Language s | |
| **FRI** | BI 10.1  Oncogenes, Tumour suppressor genes Apoptosis,  (Lecture) | 10-11  CM – 2.1: Clinico- socio- cultural and demographic assessment of individual, family and community - TUTORIALS | | PY11.4,11.8 EXERCISE PHYSIOLOGY  (Lecture) | BI 10.1  Tumour markers and cancer therapy  (SDL)) | PY  Revision- Endocrine  (Small group discussion) | | AETCOM/Sports  /Language s | |
| **SAT** | AN 19.5-19.7 Arches of foot (Lecture) | | Early Clinical Exposure: Biochemistry  Visit to medicine ward for case of Jaundice BI 6.11 | | |  | |  | |  |

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| **WEEK-43** | **9.00-11.00 AM** | | **11.00-12.00 NOON** | **12.00-1.00 PM** | **1.00-2.00 PM** | | **2.00-4.00 PM** | | **4.00-5.00 PM** | |
| **MON** | AN 20.6 Radiology of lower limb (VI RD)  (Small group discussion) | | AN 20.10 Basic concept of development of lower limb  (Lecture) | PY 11.5  Physiological consequence of sedentary life style  (Lecture) | **L**  **U**  **N**  **C**  **H**  **B**  **R**  **E**  **A**  **K** | | AN Revision of systemic histology slides(A) (Small group discussion)  PY- Revision Human experiments(B)  DOAP)  BI 11.17 Batch (C) Basis of biochemical tests in Jaundice, Pancreatitis and Liver diseases (small group Discussion) | | AN Lower limb spotters (Small group discussion) | |
| **TUE** | AN 20.7 Surface anatomy of lower limb (Bony landmarks) (DOAP) | | PY 11.11Brain death | Overview of lower limb (Self directed learning) | AN Revision of systemic histology slides(B) (Small group discussion)  PY- Revision Human experiments (C)(DOAP)  BI 11.17 Batch (A) Basis of biochemical tests in Jaundice, Pancreatitis and Liver diseases (small group Discussion) | | PY  Revision- Special senses  (small group discussion) | |
| **WED** | AN 20.8 20.9 palpation of important vessels of lower limb in a simulated environment (DOAP) | | BI 6.13  Mechanism of Hormones action  (Lecture) | Overview of lower limb(Self directed learning) | AN Revision of systemic histology slides(C) (Small group discussion)  PY- Revision Human experiments (A)(DOAP)  BI 11.17 Batch (B) Basis of biochemical tests in Jaundice, Pancreatitis and Liver diseases (small group Discussion) | | AETCOM/Sports  /Language s | |
| **THU** | Revision of lower limb (Self directed learning) | | Overview of lower limb(Self directed learning) | PY  Revision- Special senses  (Lecture) | PY  Revision- Special senses  (small group discussion) | | AETCOM/Sports  /Language s | |
| **FRI** | BI 6.13  Hypothalamic and pituitary hormones  SDL | 10-11  CM – L Module 1.3: Fundamentals of Doctor- patient relationship- AETCOM | PY  Revision- Special senses  (Lecture) | BI5.1  Methods of determination of protein structure (SDL) | PY  Revision- Special senses  (small group discussion) | | AETCOM/Sports  /Language s | |
| **SAT** | Overview of lower limb(Self directed learning) | Biochemistry Student seminar: Hypothalamic and pituitary hormones | | |  |  | |  | |  |

**Timetable for Third Internal Assessment**

**WEEK 44**

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| **DAY** | **9.00-11.00 AM** | **11.00-12.00 NOON** | **12.00-1.00 PM** |
| **MON**  **29/11/21** | 3rd IAS |  |  |
| **TUE**  **30/11/21** | 3rd IAS |  |  |
| **WED**  **01/12/21** | 3rd IAS |  |  |
| **THU**  **02/12/21** | 3rd IAS | | |
| **FRI**  **03/12/21** | 3rd IAS | | |
| **SAT**  **04/12/21** | 3rd IAS | | |

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| **WEEK-45** | **9.00-11.00 AM** | | **11.00-12.00 NOON** | **12.00-1.00 PM** | **1.00-2.00 PM** | | **2.00-4.00 PM** | | **4.00-5.00 PM** | |
| **MON** | AN Revision of upper limb (Small group discussion) | | AN Overview of upper limb  (Lecture) | PY revision of general physiology  (Small group discussion) | **L**  **U**  **N**  **C**  **H**  **B**  **R**  **E**  **A**  **K** | | AN Revision of histology slides (Practical) (A)  PY practicals-hematology revision(B)(DOAP)  BI 11.3, 11.4 Batch (C)  Practical Revision:Analysis of normal constituents of urine | | AN Osteology spotters Upper and lower limb  (Small Group discussion) | |
| **TUE** | AN Revision of upper limb (Small group discussion) | | PY revision of general physiology  (Small group discussion) | AN Overview of upper limb (Lecture) | AN Revision of histology slides (Practical) (B)  PY practicals-hematology revision(C)(DOAP)  BI 11.3, 11.4 Batch (A)  Practical Revision:Analysis of normal constituents of urine | | PY revision of general physiology  (Small group discussion) | |
| **WED** | AN Revision of upper limb (Small group discussion) | | Radio-isotopes  (Lecture) | AN Overview of upper limb (Lecture) | AN Revision of histology slides (Practical) (C)  PY practicals-hematology revision(A)(DOAP)  BI 11.3, 11.4 Batch (B)  Practical Revision: Analysis of normal constituents of urine | | BI Student seminar: electron transport chain  (Self directed learning) | |
| **THU** | AN Revision of thorax (Small group discussion) | | AN Overview of Thorax (Lecture) | PY revision of blood  (Small group discussion) | PY revision of blood  (Small group discussion) | | AETCOM/Sports  /Language s | |
| **FRI** | BI11.19  Biomedical waste management  Integrated teaching) | 10-11  CM – 4.2: Health promotion, health education and counselling activities at individual, family and community settings - TUTORIALS | PY revision of blood  (Small group discussion) | BI11.16  Automation and Quality control  (Lecture) | PY revision of CVS  (Small group discussion) | | AETCOM/Sports  /Language s | |
| **SAT** | AN Overview of Thorax (Lecture) | PY-medicine ward visit for case taking discussion | | |  |  | |  | |  |

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| **WEEK-46** | **9.00-11.00 AM** | | **11.00-12.00 NOON** | **12.00-1.00 PM** | **1.00-2.00 PM** | | **2.00-4.00 PM** | | **4.00-5.00 PM** | |
| **MON** | AN Revision of thorax (Small group discussion) | | AN Overview of Abdomen and pelvis (Lecture) | PY revision of nerve muscle physiology  (Small group discussion) | **L**  **U**  **N**  **C**  **H**  **B**  **R**  **E**  **A**  **K** | | AN Revision of histology slides (Practical) (A)  PY Practical revision- clinical examination of CVS & RS(DOAP)(B)  Biochemistry OSPE Batch (C): Response stations | | AN Osteology spotters Upper and lower limb  (Small Group discussion) | |
| **TUE** | AN Revision of Abdomen and pelvis  (Small group discussion) | | PY revision of nerve muscle physiology  (Small group discussion) | AN Overview of Abdomen and pelvis  (Lecture) | AN Revision of histology slides (Practical) (B)  PY Practical revision- clinical examination of CVS & RS(DOAP)(C)  Biochemistry OSPE Batch (A): Response stations | | PY revision of nerve muscle physiology  (Small group discussion) | |
| **WED** | AN Revision of Abdomen and pelvis  (Small group discussion) | | BI 17.6,7.7  Biochemistry of HIV  Lecture | AN Overview of Abdomen and pelvis  (Lecture) | AN Revision of histology slides (Practical) (C)  PY Practical revision- clinical examination of CVS & RS(DOAP)(A)  Biochemistry OSPE Batch (B): Response stations | | PY revision of CVS  (Small group discussion) | |
| **THU** | AN Revision of Abdomen and pelvis  (Small group discussion) | | AN Overview of Abdomen and pelvis (Lecture) | PY revision of CVS  (Small group discussion) | PY revision of CVS  (Small group discussion) | | AETCOM/Sports  /Language s | |
| **FRI** | BI 5.3 5.4 5.5 11.17  Tutorials:  Importance of Glycine  (Small group discussion) | 10-11  CM – Tutorial 5.2: Nutritional assessment of individuals, families and community using appropriate methods - TUTORIALS | PY revision of CVS  (Small group discussion) | BI 5.3 5.4 5.5 11.17  Tutorials:  Importance of Aromatic amino acids  (Small group discussion) | PY revision of CVS  (Small group discussion) | | AETCOM/Sports  /Language s | |
| **SAT** | AN Overview of Abdomen and pelvis (Lecture) | Biochemistry Seminar: Carbohydrate metabolism | | |  |  | |  | |  |

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| **WEEK-47** | **9.00-11.00 AM** | | **11.00-12.00 NOON** | **12.00-1.00 PM** | **1.00-2.00 PM** | | **2.00-4.00 PM** | | **4.00-5.00 PM** | |
| **MON** | AN Revision of Neuroanatomy  (Small group discussion) | | AN Overview of Neuroanatomy  (Lecture) | PY revision of RS  (Small group discussion) | **L**  **U**  **N**  **C**  **H**  **B**  **R**  **E**  **A**  **K** | | AN Revision of histology slides (Practical) (A)    PY practical revision- human physiology(DOAP) (B)  Biochemistry OSPE Batch (C): Performance Stations (DOAP) | | AN Osteology spotters Head and neck  (Small Group discussion) | |
| **TUE** | AN Revision of Neuroanatomy  (Small group discussion) | | PY revision of RS  (Small group discussion) | AN Overview of Neuroanatomy (Lecture) | AN Revision of histology slides (Practical) (B)  PY practical revision- human physiology(DOAP) (C)  Biochemistry OSPE Batch (A): Performance Stations (DOAP) | | PY revision of renal  (Small group discussion) | |
| **WED** | AN Revision of Head and neck  (Small group discussion) | | BI 4.2, 4.3, 4.4, 4.6 Student seminar: Lipid metabolism  (Small group discussion ) | AN Overview of Head and neck (Lecture) | AN Revision of histology slides (Practical) (C)  PY practical revision- human physiology(DOAP) (A)  Biochemistry OSPE Batch (B): Performance Stations (DOAP) | | BI Student seminar: Protein energy malnutrition  (Self directed learning) | |
| **THU** | AN Revision of Head and neck  (Small group discussion) | | AN Overview of Head and neck  (Lecture) | PY revision of RENAL  (Small group discussion) | PY revision of RENAL  (Small group discussion) | | AETCOM/Sports  /Language s | |
| **FRI** | BI 6.2, 6.3, 6.4 Student seminar: Nucleotide metabolism  (Small group discussion ) | 10-11  CM - IT | PY revision of Renal  (Small group discussion) | BI 6.2, 6.3, 6.4 Student seminar: Disorders of Nucleotide metabolism  (Small group discussion ) | PY revision of renal  (Small group discussion) | | AETCOM/Sports  /Language s | |
| **SAT** | AN Overview of Head and neck  (Lecture) | Seminar: Inborn errors of metabolism | | |  |  | |  | |  |

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| **WEEK-48** | **9.00-11.00 AM** | | **11.00-12.00 NOON** | **12.00-1.00 PM** | **1.00-2.00 PM** | **2.00-4.00 PM** | **4.00-5.00 PM** |
| **MON** | AN Revision of Head and neck  (Small group discussion) | | AN Overview of Head and neck  (Lecture) | PY revision of reproductive physiology  (Small group discussion) | **L**  **U**  **N**  **C**  **H**  **B**  **R**  **E**  **A**  **K** | AN Revision of histology slides (Practical) (A)  PY- PRACTICALGRAND REVISION(B)(DOAP)  Biochemistry case report Discussion Batch (C) (Small group Discussion) | AN Thyroid gland (Seminar) (Self directed learning) |
| **TUE** | AN Revision of Head and neck  (Small group discussion) | | PY revision of reproductive physiology  (Small group discussion) | AN Overview of Head and neck (Lecture) | AN Revision of histology slides (Practical) (B)  PY- PRACTICALGRAND REVISION(C)(DOAP)  Biochemistry case report Discussion Batch (A) (Small group Discussion) | PY revision of reproductive physiology  (Small group discussion) |
| **WED** | AN Revision of lower limb (Small group discussion) | | Biochemistry  BI 7.5 Student seminar: Xenobiotics metabolism  (Self directed learning) | AN Overview of Lower limb (Lecture) | AN Revision of histology slides (Practical) (C)  PY- PRACTICALGRAND REVISION(A)(DOAP)  Biochemistry case report Discussion Batch (B) (Small group Discussion) | BI Student seminar: Gene Expression  (Self directed learning) |
| **THU** | AN Revision of lower limb (Small group discussion) | | AN Overview of Lower limb  (Lecture) | PY revision physiology  (Small group discussion) | PY revision: dorsal column pathway physiology  (Small group discussion) | AETCOM/Sports  /Language s |
| **FRI** | BI 6.5 Student seminar: Vitamins  (Self directed learning) | 10-11  CM 1.4: Natural history of disease - TUTORIALS | PY revision physiology  (Small group discussion) | BI 6.9, 6.10 Student seminar: Minerals  (Self directed learning) | PY revision-Cerebellum physiology  (Small group discussion) | AETCOM/Sports  /Language s |

**COLOUR CODE FOR VARIOUS SUBJECTS**

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| **ANATOMY** | **GREEN** |  |
| **PHYSIOLOGY** | **DARK BROWN** |  |
| **BIOCHEMISTRY** | **YELLOW** |  |
| **EARLY CLINICAL EXPOSURE** | **LIGHT BLUE** |  |
| **ATECOM/SPORTS/LANGUAGE** | **PURPLE** |  |
| **PANDEMIC MODULE** | **BROWN** |  |
| **FOUNDATION COURSE** | **BLUE** |  |

**TOTAL NUMBER OF TEACHING HOURS**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Subject** | **Lectures** | **Small group teaching/tutorials/integrated teaching/practical hours** | **Self directed learning** | **Total** |
| **Anatomy** | **215** | **602** | **30** | **847** |
| **Physiology** | **160** | **310** | **25** | **495** |
| **Biochemistry** | **89** | **315** | **24** | **428** |
| **AETCOM** | **-** | **26** | **08** | **34** |
| **sports/extracurricular activities** | **-** | **-** | **-** | **56** |
| **Pandemic** | **04** | **-** | **-** | **04** |
| **Internal assesment** |  |  |  | **81** |

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**University exams**

**Dept. of Anatomy Dept. of Physiology Dept. of Biochemistry Dept. of Community Medicine**

**Principal**