

Mohd Hussayem



तीर्थकर महावीर विश्वविद्यालय
Teerthanker Mahaveer University
An Ultimate Destination for World Class Education

College of Computing Sciences and Information Technology

Delhi Road, Moradabad-244001 (U.P.)
First Class Test Odd Semester 2022-23

Program	BCA(I Year)		
Branch	--	Semester	I
Course Code	TGE102(TMUGE101)	Course Title	English Communication-I
Duration	90 Minutes	Max Marks	30

*Bloom Level {1-Remembering, 2-Understanding, 3-Applying, 4-Analyzing, 5-Evaluating, 6-Creating}

Attempt all questions.

1.	<u>Answer any five questions</u>	Max Marks
	a. Define Communication.	(2)
	b. Differentiate between formal and informal communication.	(2)
	c. Define Verbal Communication.	(2)
	d. What do you understand by non-verbal communication? Explain	(2)
	e. Briefly explain the process of communication.	(2)
	f. Give few strategies for effective communication.	(2)
	g. What is the difference between interpersonal and intrapersonal communication?	(2)
	h. What is grapevine communication?	(2)
2.	What are the 7Cs of communication? Explain.	(10)
	OR	
	Discuss about Language as a tool of communication.	
3.	Explain in detail the Barriers to Communication.	(10)
	OR	
	Tell about the importance of English Communication.	



College of Computing Sciences and Information Technology

Delhi Road, Moradabad-244001 (U.P.)

First Class Test Even Semester 2022-23

Program	BCA(I Year)		
Branch		Semester	I
Course Code	BCA107	Course Title	FOC & MS Office
Duration	90 Minutes	Max Marks	30

*Bloom Level {1-Remembering, 2-Understanding, 3-Applying, 4-Analyzing, 5-Evaluating, 6-Creating}

Attempt all questions.

1.	Answer any five questions	Max Marks
	a. Explain Von-Neumann architecture of computer.	(2)
	b. Differentiate between primary and secondary memory.	(2)
	c. Explain the different generations of computer development.	(2)
	d. $(15)_{10} = (?)_2$	(2)
	e. Differentiate between translator and interpreter.	(2)
	f. What is Operation System? Explain.	(2)
	g. Hardware and software are interdependent to each other. Justify this statement.	(2)
	h. Differentiate between resource manager and applications.	(2)
2.	What is the role of programming languages in software development? Explain the characteristics of good programming language.	(10)
	OR	
	Write short notes on followings- i. Computer Hardware ii. Role of compilers	
3.	Write short notes on any two: a) Input Output devices b) ALU c) RAM	(10)
	OR	
	What is system software? How it is different from application software. Justify your answer with examples.	

M.U.M.A.
Mohd Murtaqem



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College of Computing Sciences and Information Technology

Delhi Road, Moradabad-244001 (U.P.)

First Class Test Odd Semester 2022-23

Program	BCA(I Year)	Semester	I
Branch	--	Semester	I
Course Code	BCA110	Course Title	Digital Logic & Basics of Computer Organization
Duration	90 Minutes	Max Marks	30

*Bloom Level {1-Remembering, 2-Understanding, 3-Applying, 4-Analyzing, 5-Evaluating, 6-Creating}

Attempt all questions.

1.	<u>Answer any five questions</u>	Max Marks
a.	Define basic Logic Gates.	(2)
b.	Explain DeMorgans Theorem.	(2)
c.	Draw the logic circuit for $(A+B)'(C+D)C'$	(2)
d.	Define Inversion Law.	(2)
e.	Draw the Truth Table for $F(x, y, z) = x + y'z$	(2)
f.	Define Universal Gates.	(2)
g.	 What is the output for this logic circuit?	(2)
h.	Define combinational circuit.	(2)
2.	If $A'B+AB'=C$ Show that $A'C+AC'=B$ OR	(10)
	Define the Minterm and Maxterm. Also Simplify $\Sigma m=(7,9,10,11,12,13,14,15)$	
3.	Define the canonical POS and SOP form and Also obtain the canonical SOP form of the function- $Y(A,B,C,D)=A+BC+D$ OR	(10)
	Write down the procedure to design combinational circuit and Design the Half Adder Logic Circuit.	



College of Computing Sciences and Information Technology

Delhi Road, Moradabad-244001 (U.P.)
First Class Test Odd Semester 2022-23

Program	BCA (I Year)		
Branch		Semester	I
Course Code	TMU101	Course Title	Environmental Studies
Duration	90 Minutes	Max Marks	30

*Bloom Level {1-Remembering, 2-Understanding, 3-Applying, 4-Analyzing, 5-Evaluating, 6-Creating}

Attempt all questions.

1.	<u>Answer any five questions</u>	Max Marks
a.	What do you mean by Environmental Studies	(2)
b.	What is Ecosystem? Give examples.	(2)
c.	What is Food Chain and Food Web?	(2)
d.	What are the different components of environment?	(2)
e.	Define ecological succession.	(2)
f.	What is the difference between renewable and non-renewable sources?	(2)
g.	What are the causes and impacts of deforestation?	(2)
h.	What are the uses of alternative energy sources?	(2)
2.	What are the scopes of environmental studies? State Ecological Pyramid and discuss its various types.	(10)
	OR	
	Describe any two of following ecosystems: a) Forest ecosystem b) Desert ecosystem c) Aquatic ecosystem d) Grass-land ecosystem	(10)
3.	What are the different types of Natural resources? Explain in brief.	(10)
	OR	
	Write short notes on the following – (a) Soil Erosion and desertification (b) Use of alternative energy sources	(10)



College of Computing Sciences and Information Technology

Delhi Road, Moradabad-244001 (U.P.)
First Class Test Odd Semester 2022-23

Program	BCA (I Year)		
Branch	-	Semester	I
Course Code	BCA111	Course Title	Human Values and Professional Ethics
Duration	90 Minutes	Max Marks	30

*Bloom Level {1-Remembering, 2-Understanding, 3-Applying, 4-Analyzing, 5-Evaluating, 6-Creating}

Attempt all questions.

1.	<u>Answer any five questions</u>	Max Marks
a.	What's Ethics?	(2)
b.	What is the difference between 'belief' and 'understanding'?	(2)
c.	What are the basic guidelines for value education?	(2)
d.	Write a short note on the Attributes of a good character.	(2)
e.	Explain the Harmony in the Society (Society being an Extension of Family).	(2)
f.	What is Spirituality?	(2)
g.	Explain the process of value education.	(2)
h.	Explain what do you understand by "Trust and Respect as the Foundational Values of Relationship"?	(2)
2.	What is the need for value education? Write a note on the need for value education in today's scenario.	(10)
OR		
	How will Yoga and Meditation Help in Professional Excellence and Stress Management?	
3.	What do you mean by the term 'Technology'? Explain the positive and negative impact of technological growth on Society.	(10)
OR		
	What do you mean by self-exploration? Explain the concepts of natural acceptance and experiential validation as the mechanisms of self-exploration.	



Teerthanker Mahaveer University
Odd Sem Examination (2022-23)
CT-I for BCA/BCA CTIS/BCA MAWT/BSe 1st Sem

DATE: ___ / 11 / 2022
Time: 60 Minute
Max. Marks-30

Course Code: - TGC102

Course Name: - Foundation in Quantitative Aptitude (CTLD)

Enrolment No. ST/0924/24.....

Name: Mohd. Mushtaq eam.....

Instructions

1. Attempt all questions. Each question carries 1 mark.
2. There will be No Negative Marking. Also, No marks will be awarded if more than one answer is marked.
3. Calculators, Mobiles, calculator watch etc are strictly not allowed. Any usage of electronic gadgets may bring to cancellation of paper and/or depositing the gadget for 1 month.
4. Mark answers in the attached OMR SHEET and then both sheets have to be submitted to the invigilators.

Knowledge level	CO1	CO4	Total
Questions range	Q 1 - Q 10 (10)	Q 11 - Q 30 (20)	30
Score obtained			

1. Find the value of 4835×1111 .
a. 4282795 b. 5371685 c. 4822885 d. 5412885

2. Find the square of 96.
a. 9216 b. 9126 c. 9286 d. 9616

3. Find the value of 934×999 .
a. 933036 b. 939336 c. 933066 d. 931306

4. $213 \times 121 = ?$
a. 27553 b. 25773 c. 27533 d. 23753

5. $650 \times 999 = ?$
a. 648350 b. 649350 c. 350450 d. 650350

6. Find the square of 252.
a. 63504 b. 45354 c. 65034 d. 49354

7. Find the cube of 23.
a. 12167 b. 16267 c. 26271 d. 21627

8. Find the square root of 12544.
a. 112 b. 118 c. 122 d. 108

9. Find the square of 195.
a. 38625 b. 38125 c. 39045 d. 38025

10. Find the cube root of 205379.
a. 57 b. 49 c. 59 d. 53

11. A fruit seller had some apples. He sells 40% apples and still has 420 apples. Originally, how many apples he had:
a. 588 b. 600 c. 670 d. 700

12. The length and breadth of a square is increased by 40% and 30% respectively. The area of the resulting rectangle exceeds the area of the square by:
a. 42% b. 62% c. 82% d. None

13. In an examination, 49% students failed in English, 36% failed in Hindi, while 15% failed in both subjects. If total number of passed students is 450, then how many students did appear in the examination?
a. 1250 b. 1325 c. 1475 d. 1500

14. In an election there are 2 candidates only, the candidate who gets 62% of the votes is elected by a majority of 144 votes. Find the total number of votes recorded assuming that no vote was void?
a. 600 b. 400 c. 560 d. 480

15. Two numbers are 40 % and 60% more than a third number. By what percentage is the first number less than the second number?
a. 18% b. 16.5% c. 12.5% d. 11.5%

16. After selling 35% of the apples, a fruit vendor has 260 apples left. How many did he have originally?
a. 300 b. 250 c. 400 d. 350

17. In a certain company, 20% of the men and 40% of the women attended the annual company picnic. If 35% of all the employees are men, what percent of all the employees went to the picnic?
a. 7% b. 33% c. 35% d. 60%

18. If the radius of a circle is diminished by 10%, the area is diminished by
a. 14% b. 16% c. 19% d. 21%
19. Harish drinks $\frac{3}{5}$ th of the milk in a glass. Krishna drinks 20% of the remaining. How much milk does the glass contain if Krishna drank 60 ml.
a. 500 ml b. 250 ml c. 750 ml d. 1000 ml
20. In Hyderabad city, legal water connections form 80% of the total connections. If 90% of the houses in the city have water connections, then what percent of the houses in the city have illegal water connections?
a. 28% b. 18% c. 10% d. 20%
21. After spending 20% on machinery, 10 % on building, 9% on raw materials and 7 % on others, Chandra had a balance of Rs.5400. The money with him initially was,
a. Rs14000 b. Rs12000 c. Rs10000 d. Rs16000
22. Vinod buys a watch for Rs.350 and sells it for Rs.420. Find his profit percentage.
a. 12% b. 18% c. 20% d. None
23. Subtracting 40% of a number from the number, we get the result as 30. The number is:
a. 25 b. 70 c. 52 d. 50
24. In an election between two candidates, one got the 55% of total valid votes, 20% of the votes were invalid. If the total number of votes was 7500, the number of valid votes that the other candidate got, was:
a. 2800 b. 2700 c. 2000 d. 3100
25. In a city, 40% of the people are illiterate and 60% are poor. Among the rich, 10% are illiterate. What percentage of the poor population is illiterate?
a. 60% b. 30% c. 10% d. 20%
26. The population of a variety of tiny bush in an experimental field increased by 10% in the first year, increased by 8% in the second year but decreased by 10%, in the third year. If the present number of bushes in the experimental field is 26730, then the number of bushes in the beginning was:
a. 25000 b. 30000 c. 18000 d. 27000
27. If the cost price of 25 articles is equal to the selling price of 15 articles, find the profit percent.
a. 66.66% b. 33.33% c. 50% d. 20%
28. What is a net discount equivalent to FLAT 20% and 10% OFF?
a. 37% b. 28% c. 35% d. 32%
29. Two numbers A and B are such that the sum of 5% of A and 4% of B is two-third of the sum of 6% of A and 8% of B. Find the ratio of A:B
a. 2:3 b. 1:1 c. 3:4 d. 4:3
30. What percentage of numbers from 1 to 70 have 1 or 9 in the unit's digit?
a. 20% b. 18% c. 40% d. 16%



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Delhi Road, Moradabad-244001 (U.P.)

Second Class Test Odd Semester 2022-23

Program	BCA	Semester	I
Branch	-----	Course Title	Digital Logic and basics of Computer Organization
Course Code	BCA110	Max Marks	30
Duration	90 Minutes		

*Bloom Level {1-Remembering, 2-Understanding, 3-Applying, 4-Analyzing, 5-Evaluating, 6-Creating}

Attempt all questions.

1.	<u>Answer any five questions</u>	Max Marks
a.	Define Sequential Logic Circuits.	(2)
b.	Differentiate Combinational and Sequential Logic Circuits.	(2)
c.	Differentiate Latch and Flip- Flop.	(2)
d.	Describe Shift Register. Give its types.	(2)
e.	Describe D Flip Flop with truth table.	(2)
f.	Define different types of Triggering used in Sequential Circuits.	(2)
g.	Define J-K Flip Flop. Give truth table.	(2)
h.	Explain De-Mux. Give circuit diagram of 1*4 De-Mux.	(2)
2.	Explain Multiplexer. Show, how many 4*1 and 2*1 Multiplexers will be required to construct 16*1 Multiplexer. Give Block Diagram.	(10)
	OR	
	Illustrate BCD to 7 segment Encoder. Explain it in detail.	(10)
3.	A combination circuit is specified by the following three Boolean functions: $F_1(A, B, C) = \Sigma(2, 4, 7)$ $F_2(A, B, C) = \Sigma(0, 3)$ $F_3(A, B, C) = \Sigma(0, 2, 3, 4, 7)$ Implement the circuit with a decoder construction with AND Gate to find the functions.	(10)
	OR	
	A. Construct 3*8 Decoder using 2*4 decoders. Also, give truth table of 3*8 Decoder. B. Explain Priority Encoder in Detail.	(10)

TCA2201358



College of Computing Sciences & Information Technology

Delhi Road, Moradabad-244001 (U.P.)
Second Class Test Odd Semester 2022-23

Program	BCA	Semester	I
Branch		Course Title	English Communication I
Course Code	TGE103	Max Marks	30
Duration	90 Minutes		

*Bloom Level {1-Remembering, 2-Understanding, 3-Applying, 4-Analyzing, 5-Evaluating, 6-Creating}

Attempt all questions.

1.	<p>Answer any five questions</p> <p>a. What do you mean by Modals? _____ (2)</p> <p>b. What is called concord? _____ (2)</p> <p>c. Write 4 sentences in Past Indefinite Tense. _____ (2)</p> <p>d. Write one word for the following sentences:</p> <p>i- One who believes in fate : _____</p> <p>ii- One who copies from other writers : _____</p> <p>iii- One who looks on the bright side of life : _____</p> <p>iv- A language that is written but not spoken : _____</p> <p>e. Choose the correct word :</p> <p>i- The Chairman as well as members _____ the meeting. (attend/attends)</p> <p>ii- Neither teacher nor the students _____ free. (is/are)</p> <p>iii- We _____ speak the truth. (would/should)</p> <p>iv- My brother said, "I _____ do it." (can/ could)</p> <p>f. What is the difference between hearing and listening? _____ (2)</p> <p>g. Describe the process of listening. _____ (2)</p> <p>h. Write the importance of listening. _____ (2)</p>	Max Marks
2.	<p>(a) Fill in the blanks with correct verb form:</p> <p>i- I _____ the my friend's house yesterday. (visit)</p> <p>ii- Hussain _____ this picture since morning. (paint)</p> <p>iii- She _____ to be a youth icon. (want)</p> <p>iv- Teacher said that the sun _____ in the east .(rise)</p> <p>v- The thief _____ away before I entered the room. (run)</p> <p>vi- If he _____ to me, I will teach him. (come)</p> <p>vii- The sun _____ in the west. (set)</p> <p>viii- He already _____ his assignments. (submit)</p> <p>ix- Don't _____ your bag here. (keep)</p> <p>x- Tomorrow I _____ there. (go)</p>	(10)
	OR	
	<p>(b) Find out the error in the following sentences and rewrite correctly:</p> <p>i- My friend is senior than me.</p> <p>ii- I am reading this novel since morning</p> <p>iii- He was punished for coming lately.</p> <p>iv- Meghna is one of those girls who works hard.</p> <p>v- Either you or your friend are going there.</p> <p>vi- Coffee is more preferable to tea.</p> <p>vii- Five hours are too short time to judge one's character.</p> <p>viii- Bread and butter are essential for one's life.</p> <p>ix- The quality of papers were not good.</p> <p>x- I have bought this new car last year.</p>	
3.	<p>(a) Elaborate the types of listening.</p>	(10)
	OR	
	<p>(b) What are the barriers to active listening? Suggest some tips to improve listening.</p>	

College of Computing Sciences and Information Technology

Delhi Road, Moradabad-244001 (U.P.)
Second Class Test Odd Semester 2022-23

Program	BCA		
Branch		Semester	I
Course Code	BCA107	Course Title	Fundamentals of Computer's and MS - Office
Duration	90 Minutes	Max Marks	30

*Bloom Level {1-Remembering, 2-Understanding, 3-Applying, 4-Analyzing, 5-Evaluating, 6-Creating}

Attempt all questions.

1.	Answer any Five Questions	Max Marks
a.	Define term Flow Chart with its notations.	(2)
b.	Define term MS Word.	(2)
c.	Define term MS Access.	(2)
d.	Define term MS Excel.	(2)
e.	Give the extension of MS Word, MS Excel, and MS Power Point.	(2)
f.	Define term Hyperlink in MS Word and Excel.	(2)
g.	Give the difference between Algorithms and Flowchart.	(2)
h.	Define term Table.	(2)
2.	Write Short Notes on following with suitable example A)Algorithms B)Flow Chart	(10)
	OR	
	Write Short Notes on MS Dos. Explain at least five Internal and External Command with its description.	
3.	Write Short Notes on following with its advantage and disadvantage A) M.S Word B) M.S Excel.	(10)
	OR	
	Explain briefly Microsoft Access write Short notes on the following with suitable diagram A) MS Access Queries B)Ms Access Table	



College of Computing Sciences and Information Technology

Delhi Road, Moradabad-244001 (U.P.)
 Second Internal Class Test Odd Semester 2022-23

Program	BCA		
Branch	-----	Semester	I
Course Code	BCA111	Course Title	Human Values and Professional Ethics
Duration	90 Minutes	Max Marks	30

*Bloom Level {1-Remembering, 2-Understanding, 3-Applying, 4-Analyzing, 5-Evaluating, 6-Creating}

Attempt all questions.

1.	<u>Answer any five questions</u>	Max Marks
a.	Is there any negative impact on society of technological advancement?	(2)
b.	How moonlighting is unethical?	(2)
c.	What do you understand by Phishing and hacking?	(2)
d.	How cybercrime is unethical?	(2)
e.	Describe about the problems facing in technology transfer.	(2)
f.	Write the positive impact of technology growth on society.	(2)
g.	Why Race Discrimination is considered as unethical behaviour for everyone?	(2)
h.	What is Whistle Blowing? Why it is important.	(2)
2.	Describe the appropriate technology movement of Schumacher . What is the importance of this movement?	(10)
OR		
OR		
Describe Conflict of interest in detail.		
3.	How safety and Risk Analysis is important? Why it should be considered as Mandatory process for every organization?	(10)
OR		
Why personal use of organizational resources is unethical? Explain the Fraudulent use of organizational resources.		(10)



College of Computing Sciences and Information Technology

Delhi Road, Moradabad-244001 (U.P.)
Second Class Test Odd Semester 2022-23

Program	BCA	Semester	I
Branch	-----	Course Title	Environmental Studies
Course Code	TMU101	Max Marks	30
Duration	90 Minutes		

*Bloom Level {1-Remembering, 2-Understanding, 3-Applying, 4-Analyzing, 5-Evaluating, 6-Creating}

Attempt all questions.

1.	Answer any five questions	Max Marks
a.	Explain the following terms: (i) biodiversity, (ii) loss of biodiversity, and (iii) biodiversity conservation.	(2)
b.	What is the pH value of rain water? Formation of which acids takes place in normal rain water as well as in acidic rain. Write down the chemical reactions.	(2)
c.	How deforestation and vehicles are responsible for air pollution?	(2)
d.	Explain the greenhouse effect with suitable diagram.	(2)
e.	When and where was Kyoto Protocol adopted? Which are the countries that are not parties to the Kyoto Protocol?	(2)
f.	Define noise pollution as per WHO guidelines.	(2)
g.	What was the objective of Montreal protocol?	(2)
h.	Differentiate between (i) weather and climate, and (ii) climate change and global warming.	(2)
2.	Discuss the objectives and features of the following: (i) Environment Protection Act (ii) Water Act (iii) Air Act	(10)
OR		
	Explain the causes and effects of the following: (a) air pollution (b) water pollution	(10)
3.	Discuss the United Nations Convention on Biological Diversity (UNCBD). What are the main goals of this convention?	(10)
OR		
	What is solid waste? What are the main sources of solid waste? Discuss any five methods of solid waste management.	(10)



Accredited by NAAC **A** Grade
12-B Status from UGC

Course Code: - **TGC102**

Course Name: - **Foundation in Quantitative Aptitude (CTLD)**

Enrolment No. **TCA2201358**

Teerthanker Mahaveer University
Odd Sem Examination (2022-23)
CT-2 for BCA/BSc 1st Sem

DATE: / 12/ 2022
Time: 60 Minute
Max.Marks-30

Name.. **Mohd. Mustaqum**.....

Instructions

1. Attempt all questions. Each question carries 1 mark.
2. There will be No Negative Marking.
3. No marks will be awarded if more than one answer is marked.
4. Calculators, Mobiles, calculator watch etc are strictly not allowed. Any usage of electronic gadgets may bring to cancellation of paper and/or depositing the gadget for 1 month.
5. Mark answers in the attached OMR SHEET and submit to the invigilator.

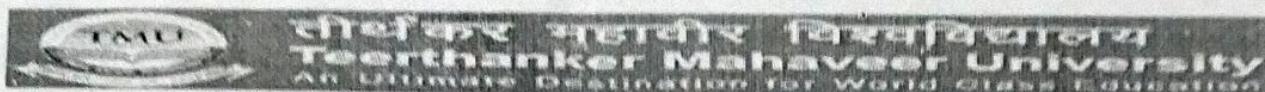
Knowledge level	CO4	CO2	Total
Questions range	Q1 – Q20 (20)	Q21-Q30 (10)	30
Score obtained			

1. The cost price of 20 articles is the same as the selling price of x articles. If the profit is 25%, then the value of x ?
- a. 15 b. 16 c. 18 d. 25
2. A man buys a cycle for Rs. 1400 and sells it at a loss of 15%. What is the selling price of the cycle?
- a. Rs. 1090 b. Rs. 1160 c. Rs. 1190 d. Rs. 1202
3. On selling 17 balls at Rs. 720, there is a loss equal to the cost price of 5 balls. The cost price of a ball is:
- a. Rs. 45 b. Rs. 50 c. Rs. 55 d. Rs. 60
4. A trader bears a loss of 25% by selling 40 needles for a rupee. How many needles should he sell for a rupee in order to earn a profit of 20%?
- a. 27 b. 30 c. 18 d. 25
5. If the cost price of 25 articles is equal to the selling price of 15 articles, find the profit percent.
- a. 66.66% b. 33.33% c. 50% d. 20%
6. The cost price of a shirt and a pair of trousers is Rs 473. If the shirt costs 15% more than the trousers, find the cost price of the trouser.
- a. 210 b. 230 c. 220 d. 243
7. What is a net discount equivalent to FLAT 20% and 10% OFF?
- a. 37% b. 28% c. 35% d. 32%
8. A sold a watch to B at a gain of 10% and B sold it to C at a loss of 20%. If C bought the watch for Rs. 220, at what price did A purchase it?
- a. 250 b. 280 c. 194 d. 180
9. Kamal purchased a scooter for Rs 15000. He sold the scooter to Rakesh at 12% profit and Rakesh sold it at 10% loss. At what price did Rakesh sell the scooter?
- a. 15120 b. 18200 c. 19400 d. 16200
10. A person marks his goods 20% higher than cost price and allows a discount of 5%. The percentage profit is:
- a. 12% b. 14% c. 15% d. 10%
11. A man took a loan from a bank at the rate of 12% p.a. simple interest. After 3 years he had to pay Rs. 5400 interest only for the period. The principal amount borrowed by him was:
- a. 2000 b. 10000 c. 15000 d. 20000

12. A person takes a loan of Rs. 200 at 5% simple interest. He returns Rs. 100 at the end of 1 year. In order to clear his dues at the end of 2 years, he would pay:
 a. 105 b. 125 c. 115 d. 110
13. A sum of money amounts to Rs. 5200 in 5 years and to Rs. 5680 in 7 years at simple interest. The rate of interest per annum is.
 a. 3% b. 4% c. 5% d. 6%
14. A sum of money at simple interest amounts to Rs. 815 in 3 years and to Rs. 854 in 4 years. The sum is:
 a. 650 b. 690 c. 698 d. 700
15. How much time will it take for an amount of Rs. 450 to yield Rs. 81 an interest at 4.5% per annum of simple interest?
 a. 3.5 yr b. 4 yr c. 4.5 yr d. 5 yr
16. Find CI on Rs. 5000, 16% p.a. for 1 year and compounded half yearly.
 a. 5832 b. 5432 c. 432 d. 832
17. If the difference between S.I and C.I @ 4% p.a. for 2 years is 20 Rs. What will be the value of principle amount?
 a. 50000 b. 12000 c. 12500 d. 25000
18. The difference between C.I and S.I @ some rate for Rs. 5000 for 2 years is Rs. 72. what is the rate of interest per annum?
 a. 6% pa b. 10% pa c. 12% pa d. 15% pa
19. A sum of money place @ C.I. double itself in 6 years. In how many years will it amount to 16 times itself?
 a. 16 yrs b. 24 yrs c. 26 yrs d. 48 yrs
20. 15. If the amount becomes 2.25 times of the sum after 2 years at C.I. The R=?
 a. 15% pa b. 25% pa c. 50% pa d. 100% pa

21. The average weight of 8 men having average weight 40 kg is increased by 2 kg when a new man is included. The weight of the new man is
 a. 58 b. 56 c. 96 d. 97
22. The average marks of 12 students increases by 3 if a new student having mark 79 is included. The new average mark of the students is?
 a. 37 b. 40 c. 43 d. 82
23. A batsman having average 40 makes 90 runs in his last inning thereby his average increases by 2. Find the total number of matches he has played.
 a. 25 b. 24 c. 75 d. 50
24. Average of 6 students marks is 60, what is the new average if a student of marks 110 is taken out?
 a. 60 b. 40 c. 56 d. 50
25. Average of 4 students marks is 50 and one student having marks 200 is added to the team, what is new average?
 a. 80 b. 66 c. 25 d. 55
26. In a first 10 overs cricket game run rate was 3.2. what should be run rate in the remaining 40 overs to reach the target 282 runs?
 a. 6.25 b. 6.75 c. 4.75 d. 5.25
27. Average of 5 students marks is 30. If one student having 90 mark is added to the team then what will be the new average?
 a. 42 b. 33 c. 45 d. 40
28. Find the Averages of 61, 70, 67, 77, 103, 90
 a. 67 b. 77 c. 78 d. 79
29. The average of 7 consecutive numbers is 20. The largest no. is:
 a. 27 b. 26 c. 24 d. 23
30. The average of 20 numbers is zero. Of them, at the most, how many may be greater than zero?
 a. 10 b. 19 c. 0 d. 20

TCA 220 L35Q



College of Computing Sciences and Information Technology

Delhi Road, Moradabad-244001 (U.P.)
Third Class Test Odd Semester 2022-23

Program	BCA		
Branch	-----	Semester	I
Course Code	BCA110	Course Title	Digital Logic and basics of Computer Organization
Duration	90 Minutes	Max Marks	30

*Bloom Level {1-Remembering, 2-Understanding, 3-Applying, 4-Analyzing, 5-Evaluating, 6-Creating} Attempt all questions.

1.	Answer any five questions	Max Marks
a.	Define Addressing Mode?	(2)
b.	Define the four peripheral devices?	(2)
c.	What is Accumulator?	(2)
d.	What is stack organization?	(2)
e.	What is Asynchronous Data Transfer?	(2)
f.	Convert the following postfix to infix? 1. ABCDE+*-/ 2. ABC*/D-EF/+	(2)
g.	What is immediate addressing Mode?	(2)
h.	Convert the Micro operations to Control word? 1. $R1 \leftarrow R2 - R3$ 2. $R6 \leftarrow R6 + 1$	(2)
2.	What is instruction format? Explain the different type of instruction format?	(10)
	OR	
	What is Addressing Mode? Explain the various type of addressing mode?	(10)
3.	Explain any two: 1. Strobe Control 2. Handshaking 3. Memory Hierarchy	(10)
	OR	
	Explain Any two : 1. DMA Transfer 2. RAM & ROM Chips 3. DMA Controller	(10)



College of Computing Sciences and Information Technology

Delhi Road, Moradabad-244001 (U.P.)

Third Class Test Odd Semester 2022-23

Program	BCA		
Branch	-----	Semester	I
Course Code	TGE103	Course Title	English Communication -I
Duration	90 Minutes	Max Marks	30

*Bloom Level {1-Remembering, 2-Understanding, 3-Applying, 4-Analyzing, 5-Evaluating, 6-Creating}

Attempt all questions.

1.	<u>Answer any five questions</u>	Max Marks
	a. What is the difference between Verbal and non verbal communication?	(2)
	b. Define Communication.	(2)
	c. What is Active Listening?	(2)
	d. What is meant by topic sentence?	(2)
	e. What do you mean by a Paragraph?	(2)
	f. Explain two Principles of Oral communication.	(2)
	g. Write a short Paragraph on Mobile Phone	(2)
	h. Write two sentences on Simple Present Tense	(2)
2.	Describe the features of Art of Public speaking.	(10)
	OR	
	What is the structure of a good Paragraph? Explain	(10)
3.	Write an application to the Principal of your college to issue you a character Certificate.	(10)
	OR	
	Explain the methods of Paragraph development.	(10)



College of Computing Sciences and Information Technology

Delhi Road, Moradabad-244001 (U.P.)
 Third Class Test Odd Semester 2022-23

Program	BCA	Semester	I
Branch			
Course Code	TMU101	Course Title	Environmental Studies
Duration	90 Minutes	Max Marks	30

*Bloom Level {1-Remembering, 2-Understanding, 3-Applying, 4-Analyzing, 5-Evaluating, 6-Creating}

Attempt all questions.

1.	<u>Answer any five questions</u>	Max Marks
a.	Write down any two impacts of population growth on environment.	(2)
b.	What is the role of Indian & other regions in environmental conservations?	(2)
c.	What is silent valley movement?	(2)
d.	How do you define Disaster management.	(2)
e.	Discuss the role of Environmental Communication and Public Awareness in environmental protection.	(2)
f.	Describe national green tribunal and its importance.	(2)
g.	Define Environmental Ethics.	(2)
h.	Differentiate between resettlement and rehabilitation.	(2)
2.	What are the scopes of environmental studies? State Ecological Pyramid and discuss its various types.	(10)
OR		
	What are the different types of Natural resources? Write short notes on the use of alternative energy sources.	(10)
3.	Write short note of the following (any two): a) Water Pollution b) Soil Pollution c) Air Pollution d) Noise Pollution	(10)
OR		
	Write down a short note on Ozone Layer depletion. Describe the following Environmental Laws: c) Air prevention & control of pollution act d) Wild-Life Protection Act	(10)

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Delhi Road, Moradabad-244001 (U.P.)
Third Class Test Odd Semester 2022-23

Program	BCA		
Branch	--	Semester	I
Course Code	BCA107	Course Title	Fundamental of Computer's and MS-Office
Duration	90 Minutes	Max Marks	30

*Bloom Level {1-Remembering, 2-Understanding, 3-Applying, 4-Analyzing, 5-Evaluating, 6-Creating}

Attempt all questions.

1.	<u>Answer any five questions</u>	Max Marks
	a. How can you create a new presentation?	(2)
	b. Convert the following : $(263.45)_{10} = (?)_2$	(2)
	c. List use of COPYCON command in MS-DOS.	(2)
	d. Difference between Compiler and Interpreter.	(2)
	e. How to insert a row in worksheet in excel?	(2)
	f. Describe storage devices.	(2)
	g. What is Web Browsers?	(2)
	h. Explain the advantages and disadvantages of the Third Generation Computers.	(2)
2.	Explain the following in MS-WORD? a) Menu bar d) Text attribute b) Formatting e) Alignment c) Autocorrect	(10)
	OR	
	Explain the following: a) Creating a presentation using Auto Content Wizard b) Adding Transition and Animation Effects in the presentation	(10)
3.	Explain cell referencing in excel. How can you copy a formula from one sheet to another sheet in excel.	(10)
	OR	
	Write short notes on the following: 1) High level languages 2) Machine language	(10)



College of Computing Sciences and Information Technology

Delhi Road, Moradabad-244001 (U.P.)
Third Class Test Odd Semester 2022-23

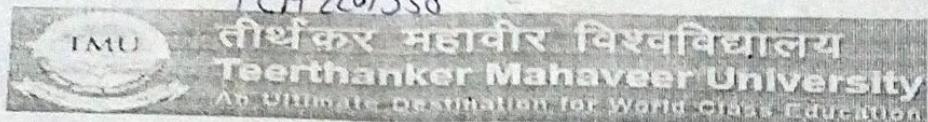
Program	BCA		
Branch	-----	Semester	I
Course Code	BCA111	Course Title	Human Values & Professional Ethics
Duration	90 Minutes	Max Marks	30

*Bloom Level {1-Remembering, 2-Understanding, 3-Applying, 4-Analyzing, 5-Evaluating, 6-Creating}

Attempt all questions.

1.	Answer any five questions	Max Marks
a.	What are the problems in Computer Ethics?	(2)
b.	What is the difference between 'Patents' and 'Trademark'?	(2)
c.	What are the advantages of recycling electrical and electronic waste (E-waste)?	(2)
d.	Write a short note on 'Engineering Council of India'.	(2)
e.	What is the Difference between disposal of Plastic waste&E-Waste?	(2)
f.	What is Ethic of Virtue?	(2)
g.	What are the prime causes of plastic waste?	(2)
h.	What is Ethic of Duty?	(2)
2.	What does Corporate Social Responsibility mean to the company? Explain the types of Corporate Social Responsibility.	(10)
	OR	
	Define "value crisis"? Discuss various strategies for controlling value crisis in contemporary society.	
3.	Write a note on 'Bhopal Gas Tragedy'.	(10)
	OR	
	What do you mean by 'Integrated Personality'? Discuss the role of teacher in the development of integrated personality.	

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Faculty of Engineering

Delhi Road, Moradabad-244001 (U.P.)

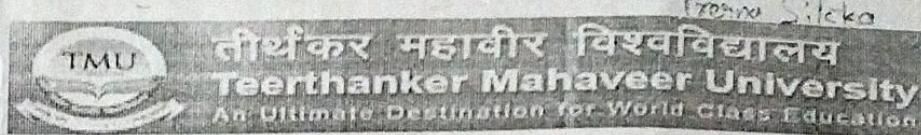
First Class Test Even Semester2022-23

Program	BCA 1 year	Semester	II
Branch	All sections	Course Title	English Communication -II
Course Code	TGE 203	Max Marks	30
Duration	90 Minutes		

*Bloom Level {1-Remembering, 2-Understanding, 3-Applying, 4-Analyzing, 5-Evaluating, 6-Creating}

Attempt all questions.

1.	<u>Answer any five questions</u>	Max Marks	Unit no.	Bloom Level*	CO
a.	What is meant by synthesis of sentences?	(2)	1	2	CO3
b.	Transform Assertive into interrogative sentences. 1. He is my brother. 2. We can do the work.	(2)	1	3	CO3
c.	Explain the meaning of the following idioms & phrases 1. Look at the bright side 2. A piece of cake	(2)	1	1	CO3
d.	Add prefix to make meaningful words. 1. Code 2. Friendly	(2)	1	6	CO3
e.	What is meant by Compound sentence? Explain with example.	(2)	1	2	CO3
f.	Transform the following affirmative sentences into negative 1. Fruits are good for health. 2. I always tell truth	(2)	1	4	CO3
g.	What is meant by direct speech? Explain	(2)	1	2	CO3
h.	Define Suffix with two examples	(2)	1	6	CO3
2.	Change from active to passive 1. Children like sweets. 2. He sells fish in the market. 3. They are drawing pictures. 4. She is cooking rice in the kitchen. 5. Partha has written these letters. 6. They have brought the statue from Kolkata. 7. They bought toys. 8. The driver was blowing the horn. 9. Were the boys throwing stones? 10. Shall we help her?	(10)	1	3	CO3



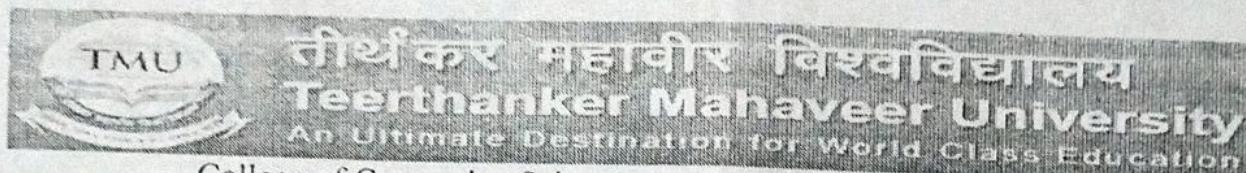
Faculty of Engineering

Delhi Road, Moradabad-244001 (U.P.)

First Class Test Even Semester2022-23

	OR Transform the degrees of comparison as directed	(10)	1	3	CO3
	1. Ram is the most talented boy in the class (Positive) 2. Mr. Verma is the wisest man in the company.(Positive) 3. Ram is stronger than Majid.(Positive) 4. The elder sister is not so smart as the younger one. (Comparative Degree) 5. Sardar Patel was greater than any other Indian leader. (Superlative Degree) 6. This is the biggest temple in Ujjain. (Comparative Degree) 7. Indore is the cleanest city in India. (Comparative degree) 8. Very few students in the class are as intelligent as Tina. (Superlative degree) 9. Tokyo is the most populous city in the world. (positive degree) 10. Cats are better than dogs at hunting. (positive degree)				
3.	Transform the sentences as directed i) He took a pen. He wrote a letter (Simple) ii) I saw a crow. It was flying in the sky.(simple) iii) You have table. It is broken.(Simple) iv) She is honest. She is hardworking(compound) v) She is sick. She cannot attend the class.(Compound) vi) Arun is poor. He is honest.(Compound) vii) John called me yesterday. I was not able to attend his call.(Compound) viii) You are the only friend. You taught me right from wrong(complex) ix) I got late. I missed the bus(Complex) x) I got wet. It was raining(Complex)	(10)	1	6	CO3
	OR Change direct speech into reported speech 1. "I am happy", he said. 2. He said, "she has completed her work". 3. "I was reading a novel", she said 4. The boy said, "Where do you stay?" 5. She said, "Her sister can dance." 6. She said, "Will you come to the party?" 7. They said, "We may go the party." 8. Manu said, "Man is mortal." 9. Boss said, "Go and shut the door." 10. Arya says, "You have done your work."	(10)	1	6	CO3

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College of Computing Sciences and Information Technology

Bagarpur, Delhi Road, Moradabad-244001 (U.P.)

First Internal Class Test

Programme Name: BCA

Year: First	Academic Year: 2022-23	Semester: II
Course Code: BCA213	Course Name: Management Concept & Organization Behaviours	
Duration: 90 minutes		Max. Marks: 30

*Bloom's Taxonomy Level (BTL) {1-Remembering, 2-Understanding, 3-Applying, 4-Analyzing, 5-Evaluating, 6-Creating}

Short Questions:

1. Attempt any five questions (2 X 5=10 Marks)
- A. What do you understand by the term of Management? Define it. (BTL-2)
- B. Management is both a Science and an Art. Explain it. (BTL-2)
- C. What is the importance of Management? (BTL-2)
- D. Discuss about the level of management. (BTL-2)
- E. What is the process of Planning? (BTL-2)
- F. Explain the factors Affecting Decision-Making Process. (BTL-2)
- G. Explain the importance of Planning as a function of management. (BTL-2)
- H. What is importance of Decision-Making? (BTL-2)

Long Questions:

2. What are the functions of Management? Discuss in detail. (10 Marks Each)
(BTL-3)

OR

- What are the different types of decisions depending upon their nature and influence? (BTL-3)

- Explain the types of Planning in detail. (BTL-3)

OR

- Discuss about Henry Fayol's 14 principles of Management. (BTL-3)

College of Computing Science and IT

Delhi Road, Moradabad-244001 (U.P.)
 First Class Test odd Semester 2022-23

Program	BCA	Semester	II
Branch	CS	Course Title	WEB TECHNOLOGY
Course Code	BCA212	Max Marks	30
Duration	90 Minutes		

*Bloom Level {1-Remembering, 2-Understanding, 3-Applying, 4-Analyzing, 5-Evaluating, 6-Creating}

Attempt all questions.

- | I. <u>Answer any five questions</u> | Max Marks | Unit no. | Bloom Level* |
|--|-----------|-----------|-----------------|
| a. What are the Three main tags of HTML program? | (2) | UNIT No.2 | (Understanding) |
| b. What is Empty Tags in HTML give one example. | (2) | UNIT No.1 | (Remembering) |
| c. Give difference between Static website and Dynamic Websites with example? | (2) | UNIT No.1 | (Understanding) |
| d. What is Web Browser, Explain? | (2) | UNIT No.1 | (Remembering) |
| e. Write Anchor Tag, Img Tag and Table tag? | (2) | UNIT No.2 | (Remembering) |
| f. Define web3 Consortium and its purpose. | (2) | UNIT No.2 | (Understanding) |
| g. Explain Client Server Model? | (2) | UNIT No.1 | (Understanding) |
| h. Define Internet protocol. | (2) | UNIT NO.1 | (Understanding) |
-
- | | | | | |
|------|--|------|-----------|---|
| 2. a | Explain All List Tags with Suitable Example in HTML? | (10) | UNIT No.2 | (Understanding,
Analyse,
Remembering) |
|------|--|------|-----------|---|
- OR**
- | | | | |
|---|---|----------|---|
| b | What is the difference between HTTP and HTTPS?
Define front end and Backend programming languages in Web technology. | (Unit 1) | (Understanding,
Analyse,
Explain) |
|---|---|----------|---|
-
- | | | | | |
|------|--|------|-----------|-----------------------------|
| 3. a | Write HTML code to design a page containing some text in a paragraph by giving suitable heading style. | (10) | UNIT No.2 | (Explain and Understanding) |
|------|--|------|-----------|-----------------------------|
- OR**
- | | | | | |
|---|--|------|-----------|----------------------------|
| b | Define structure of HTML in Detail. Write Basic Tags in HTML with their purpose. | (10) | UNIT No.1 | Understanding and Analysis |
|---|--|------|-----------|----------------------------|

College of Computing Sciences and Information Technology

Delhi Road, Moradabad-244001 (U.P.)
 First Class Test Even Semester 2022-23

Program	Bachelor of Computer Application's [B.C.A]		
Branch	Computer Science	Semester	2 nd
Course Code	BCA - 202	Course Title	Programming In C
Duration	90 Minutes	Max Marks	30

Com Level {1-Remembering, 2-Understanding, 3-Applying, 4-Analyzing, 5-Evaluating, 6-Creating}

Attempt all questions.

	<u>Answer any five questions</u>	Max Marks	BTL	CO
a.	Define Keywords in C with Example.	(2)	1	CO 1
b.	Define any five characteristics of C language.	(2)	2	CO 1
c.	State the use of printf() and scanf() functions.	(2)	1	CO 1
d.	What will be the output of following program <pre>#include <stdio.h> void main() { printf("Hello\tWorld!"); printf("\n I am learning \n C."); }</pre>	(2)	4,5	CO 3
e.	What do you mean by format specifier? Give its example.	(2)	1,2	CO 2
f.	Write down the output of the following: What will be the output:- <pre>#include<stdio.h> void main() { int i=1; printf("%d %d %d",i,++i,i++);</pre>	(2)	3	CO 3
g.	State any four bitwise operators.	(2)	2	CO 2
h.	Differentiate between = and == operator with proper example.	(2)	6	CO 3
2.	Explain C Program Structure. Create a C program to swap two numbers.	(10)	6	CO 3
	OR			
	Write a short note on following with example. <ul style="list-style-type: none"> • Comparison Operator • Logical Operator 	(10)	6	CO 3
3.	Write c program to calculate simple interest the value of principle and rate and time to be entered by the user.	(10)	1	CO 2
	OR			
	Explain the unary and binary operator with suitable example.	(10)	1	CO 2

Faculty of Engineering & Computing Sciences
 Bagarpur, Delhi Road, Moradabad-244001 (U.P.)

First Internal Class Test

Program Name: B.CA

Year:I	Academic Year: 2022-2023	Semester : II
Course Code:BCA215	Course Title: MATHEMATICS-I	
Duration: 90 minutes		Max. Marks: 30

NOTE: ALL QUESTIONS ARE COMPULSORY.

1. Attempt any five questions

- a. Define a matrix with a suitable example. /2/ Understanding
 b. What is the condition of adding or subtracting of two matrices? /2/ Understanding
 c. Find the value of $(A+B)$ if /2/ Understanding

$$A = \begin{bmatrix} 1 & 5 & 4 \\ 0 & 3 & 2 \\ 2 & 13 & 10 \end{bmatrix} \text{ and } B = \begin{bmatrix} 1 & 6 & 4 \\ 0 & 3 & -2 \\ 2 & 3 & 15 \end{bmatrix}$$

- d. Define Singular & Skew symmetric matrix with suitable example. /2/ Understanding

- e. What is the condition of multiplication of two matrices? /2/ Understanding

- f. Find matrix A & B , if matrix $2A-B=\begin{bmatrix} 3 & -3 & 0 \\ 3 & 3 & 2 \end{bmatrix}$ & $2B+A=\begin{bmatrix} 4 & 1 & 5 \\ -1 & 4 & -4 \end{bmatrix}$ /2/ Evaluating

- g. Define orthogonal matrix with suitable example. /2/ Understanding

- h. If $A=\begin{bmatrix} 1 & 1 & 3 \\ 2 & 2 & 6 \\ -1 & -1 & -3 \end{bmatrix}$, then prove that $A^2=O$, where O is a null matrix. /2/ Evaluating

2. a. If $A=\begin{bmatrix} 1 & 2 & 2 \\ 2 & 1 & 2 \\ 2 & 2 & 1 \end{bmatrix}$, then prove that $A^2-4A-5I=0$, where I is an identity matrix. /10/ Evaluating

- b. Find the Adjoint of a matrix $A = \begin{bmatrix} 3 & -3 & 4 \\ 2 & -3 & 4 \\ 0 & -1 & 1 \end{bmatrix}$ /10/ Evaluating

3. a. If $A = \begin{bmatrix} 1 & 2 & -2 \\ 1 & 1 & 1 \\ 1 & 3 & -1 \end{bmatrix}$ and $B = \begin{bmatrix} 1 & 5 & 4 \\ 0 & 3 & 2 \\ 2 & 13 & 10 \end{bmatrix}$, then show that $AB \neq BA$. /10/ Evaluating

OR

- b. Find the inverse of a matrix $A = \begin{bmatrix} 0 & 1 & 2 \\ 1 & 2 & 3 \\ 3 & 1 & 1 \end{bmatrix}$ /10/ Evaluating



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Second Class Test Even Semester 2022-23

Year: I	Program name: BCA	Semester: II
Course Code: BCA212	Course Title: Web Technologies	
Duration: 90 minutes	Branch: CCSIT	Max. Marks: 30

* Bloom Level {1-Remembering, 2-Understanding, 3-Applying, 4-Analyzing, 5-Evaluating, 6-Creating}
NOTE: ALL QUESTIONS ARE COMPULSORY.

1. Attempt any five questions

- | | Max | Unit | BTL | CO |
|---|-------|------|-----|-----|
| | Marks | no | | |
| a. What are different types of selectors in CSS? Explain with example. | [2] | 3 | 1 | CO1 |
| b. Explain frames in html with example. | [2] | 2 | 2 | CO3 |
| c. Define DHTML. | [2] | 2 | 1 | CO1 |
| d. Why do we use comments? How comments are added in html? | [2] | 2 | 2 | CO1 |
| e. What are tags used for creating a table in html? | [2] | 2 | 3 | CO3 |
| f. Explain div and span tag with example. | [2] | 3 | 2 | CO3 |
| g. Write a CSS code for adding background, border and image to a webpage. | [2] | 3 | 3 | CO3 |
| h. Explain any two features of CSS2 and CSS3 each, with suitable example. | [2] | 3 | 2 | CO4 |

2. a. What is the Box model in CSS? Which CSS properties are a part of it, explain with example?

[10] 3 2 CO3

OR

- b. Write the html code to create a form for student admission.

[10] 2 3 CO4

3. a. Explain in detail different types of CSS styles sheets with suitable example?

[10] 3 2 CO1

OR

- b. Why do we use JavaScript? Explain its features and its syntax with example.

[10] 4 2 CO2



College of Computing sciences & Information Technology

Delhi Road, Moradabad-244001 (U.P.)

Second Class Test Even Semester2022-23

Program	BCA I year	Semester	II
Branch	All sections	Course Title	English Communication -II
Course Code	TGE 203	Max Marks	30
Duration	90 Minutes		

*Bloom Level {1-Remembering, 2-Understanding, 3-Applying, 4-Analyzing, 5-Evaluating, 6-Creating}

Attempt all questions.

1.	<u>Answer any five questions</u>	Max Marks	Unit no.	Bloom Level*	CO
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- a. Define Report. (2) 2 1 CO4
- b. Write down any two differences between Technical Communication and General Communication. (2) 2 2 CO1
- c. What do you mean by Bibliography? (2) 2 2 CO4
- d. Explain the significance of Report writing. (2) 2 2 CO4
- e. Discuss any two types of Presentation. (2) 3 2 CO3
- f. What is meant by Audience analysis? (2) 3 2 CO5
- g. Define Cover page of a Report. (2) 2 2 CO4
- h. Explain the importance of Audio- visual aids in Presentation. (2) 3 1 CO5

2.	What is Technical Communication? Explain different features of Technical Communication. (10)	2	2	CO1
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OR

Prepare a Newspaper Report on a railway accident (Invent necessary details). (10)	2	6	CO4
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3.	Discuss planning and Preparation of Presentation. (10)	3	2	CO5
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OR

What do you mean by Presentation? Explain 5Ws and 1H of Presentation (10)	3	2	CO5
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II Internal Class Test
Programme Name: BCA

Year: I	Academic Year: 22-23	Semester: II
Course Code: BCA213	Course Name: Management Concepts & Org Behavior	
Duration: 90 Minutes		Max. Marks: 30

*Bloom's Taxonomy Level(BTL) {1-Remembering, 2-Understanding, 3-Applying, 4-Analyzing, 5-Evaluating, 6-Creating}

Short Questions:

1. Attempt any five questions (2 X 5=10 Marks)

Bloom's Taxonomy

- | | Level |
|---|--------------|
| A. What do you mean by the term "Attitude"? | (BTL-1) |
| B. What do you understand by "Unity of Command". | (BTL-1) |
| C. What do you mean by "Harmony of Objectives"? | (BTL-2) |
| D. Comment on Custodial Model of Organizational Behaviour. | (BTL-2) |
| E. Explain the meaning of Stereotyping in context of perception. | (BTL-1) |
| F. What is delegation of authority? | (BTL-1) |
| G. What do you understand by Collegial Model of Organizational Behaviour? | (BTL-1) |
| H. Why is Controlling important for any organization? | (BTL-1) |

Long Questions:

What is Organizational Structure? Give the details of any four prominent structures of organization.

(10 Marks Each)

(BTL-1)

OR

What is Staffing? Explain the process of it with suitable examples.

(BTL-1)

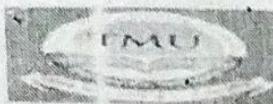
What do you mean by Personality? Elaborate Psychoanalytical Theory in this context?

(BTL-2)

OR

What do you understand by Organizational Behaviour? Give details about its characteristics.

(BTL-1)



College of Computing Sciences and Information Technology

Delhi Road, Moradabad-244001 (U.P.)

Second Class Test Even Semester 2022-23

Program	Bachelor of Computer Application's [B.C.A]		
Branch	Computer Science	Semester	2 nd
Course Code	BCA - 202	Course Title	Programming In C
Duration	90 Minutes	Max Marks	30

*Bloom Level {1-Remembering, 2-Understanding, 3-Applying, 4-Analyzing, 5-Evaluating, 6-Creating}

Attempt all questions.

1. Answer any five questions Max Marks BTL CO
- a. Write a program to swap two numbers using call by value method? (2) 1 CO 1
 - b. What is the difference between break and continue. (2) 2 CO 1
 - c. Explain default argument with example. (2) 1 CO 1
 - d. Define array with example? (2) 4,5 CO 3
 - e. Explain the following with proper syntax:
(1)for loop (2) while loop (2) 1,2 CO 2
 - f. Write a program to find the largest element in a Linear Array? (2) 3 CO 3
 - g. Explain switch statement with proper Syntax and Example. (2) 2 CO 2
 - h. What is the difference between formal and actual arguments? (2) 6 CO 3
2. Explain recursion with example. (10) 6 CO 3

OR

What is significance of storage classes? Explain it with relevant example. (10) 6 CO 3

3. What is function? Explain the following concept with example. (10) 1 CO 2

Function with argument but no return value.

Function with argument and return value.

OR

Write a C Program to perform the logic of Matrix Multiplication. (10) 1 CO 2



College of Computing Sciences and Information Technology

Bagarpur, Delhi Road, Moradabad-244001 (U.P.)

Second Internal Class Test

Programme Name: BCA (All Branches)

Program	BCA	Semester	II
Year	1 st	Course Title	Mathematics I
Course Code	BCA 215	Max Marks	30
Duration	90 Minutes		

Bloom Level {1-Remembering, 2-Understanding, 3-Applying, 4-Analyzing, 5-Evaluating, 6-Creating}

Attempt all questions.

NOTE: ALL QUESTIONS ARE COMPULSORY.

- | 1. <u>Attempt any five questions</u> | Max Marks | Bloom Level* |
|--|-----------|--------------|
| a. Define an equivalent Set with suitable example. | /2] | 1 |
| b. Find the differential coefficient w.r.t. x of $\{\tan x \cdot \log x\}$. | /2] | 1 |
| c. Define Union & intersection of a set with suitable example. | /2] | 1 |
| d. Find the derivative with respect to x of $\frac{ax^2+bx+c}{x}$. | /2] | 5 |
| e. Differentiate w.r.t. x of $5 \log x - 7x^2 + 2 \sin x - 4e^x$. | /2] | 3 |
| f. Differentiate $y = \sin x^{\cos x}$ with respect to x . | /2] | 5 |
| g. Define set with suitable example | /2] | 3 |
| h. If $A = \{a, b, c, d\}$ and $B = \{b, d, e, f\}$, then find $(A \cup B)$ & $(A \cap B)$. | /2] | 5 |
| 2. a. i) If P and Q are two sets such that P has 40 elements, PUQ has 60 elements and $P \cap Q$ has 10 elements. How many elements does Q have? | /5] | 4 |
| ii) In a class there are 30 students who plays badminton and carom. Out of these 12 students play badminton and 8 students play carom. How many students play both badminton and carom? | /5] | |
| OR | | |
| b. If $A = \{9, 8, 4, 7\}$, $B = \{3, 6, 7, 8\}$, $C = \{1, 3, 6, 8\}$, find
i) $(A \cup B) \cap C$, ii) $(A \cap C) \cup B$, iii) $(A \cup B) \cup C$, iv) $(A - B) \cap C$,
v) $(B - C) \cap (A - C)$ | /10] | 5 |
| 3. a. find $\frac{dy}{dx}$, when $y = e^x \cdot \sin x^3 + \tan x^x$ | /10] | 5 |
| OR | | |
| b. Differentiate w.r.t. x of $\frac{e^x - e^{-x}}{e^x + e^{-x}}$ | /10] | 3 |