M.C.A.(SEM-I) Mid Term -1 2018 CSC613; Digital Logic & Cons

11-00-18 1 Adai Maximum Marks:15

Atterapt any two questions. Each question carrier equal marks

1. Convert following numbers from the given base to the indicated base in the table

Decimal	Binary	Occal	Hexadecimal
35.54	?	7	7
9	1101101.1101	7	7
3	?	21215	
1	7	- 9	1000

Perform the subtraction with the following binary numbers using 1's complement, The Ribe an over by straight subtraction.

(i) 20.13 (ii) 2106 (14)8

) Add the following numbers in the given base without converting to decimal.

(ii) (172.2) gand (72.4)g 333 2 54.6 (b) Muluply the following numbers in the given base without converting to

(i) (123)₅ and (232)₅

(40|41) (1) (243) and (142)

3132 HJ 41324

Course Code: CBCS11

Internal Assessment Test

2018(First)

Time: 1 hrs. (12 noon – 1 PM) Max Marks: 15 A to Note: Attempt All Questions.

Q1. Convert the following decimal number into binary, octal and hexadecimal number systems.

23.5 Abtoro (10111-1) (27.43 (17.6))

23.6 A to 100 (13.2)

23.7 A to 100 (13.2)

24. A to 17.6)

39. C 14. A to 17.6)

30. Explain combinatory circuit and draw circuit diagram for Q=(A+B).(A.B).C

Explain XOR and NOR gates with the help of truth tables and suitable examples

22. Explain one's and 2's complements with the help of examples.

b. Von Neumann Architecture of Computer.

c. Write a note on Full adder.

MCA Semester - I, Mid-Semester Examinations 2018-19

CBSE12: Problem Solving and Programming in C

18-09-18

Time: 1 Hour

Answer any three questions.

Max. Marks: 15

1. What are the different Primary data-types available in C? Explain with examples.

 Explain the precedence and associativity of relational operators and logical operators with examples.

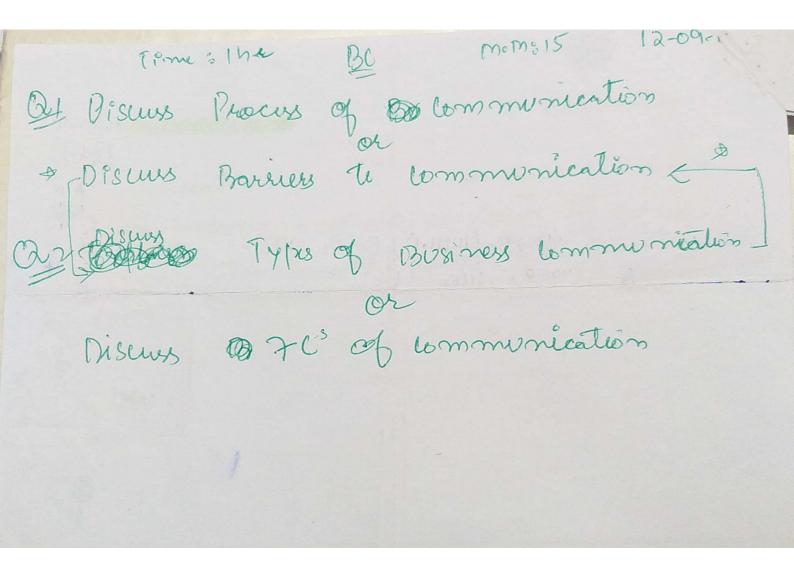
3. Distinguish between while and do while loop. What are the roles of break and continue statements inside a loop? Write a C Program to generate the following output:

bor 3=1 °, 3'\ 1'; 3'\tag{3}



Write a C Program to check whether a given number is prime or not. The program should also print all the prime numbers lying between 100 and 200.

DEPARTMENT OF COMPUTER SCIENCE, JMI, NEW DELHI 11-09-18 Course: MCA - I semester Subject: Mat. Note: Attempt any four questions and all questions carry equal marks. O1. Do the following: Describe the sets and methods which are used to represent sets. 3. 94 3.75 Is collection of all rivers in India a set? Justify. {a, (D), (c}, {a, b, d}}, determine its cardinality? Let A= {a, b, c, f} and B = {a, c, e, d, g}, determine the symmetric difference between A and B. 15/335Define relations and functions and also define their types and their properties with example. Define the equivalence classes. If $\{\{1, 3, 5\}, \{2, 4\}, \{6\}\}\$ is the partition of the A = $\{1, 2, 3, 4, 5, 6\}$, determine is corresponding equivalence relation R. 700.25 What do you mean by the closure of a relation? Determine the transitive closure of relation R={(1,2),(2,1),(2,3),(3,4)} by using warshall's algorithm (2,2)(4)(1,3)(2,4)(1,34) Q5. Define the various types of lattices. For the following structures determine the kinds of them, if any with proper justification:



Discuss levels of management of skill required at different level

Oh

Prscuss Role of manager according to Henry minterent

Oh

Enplain any three:

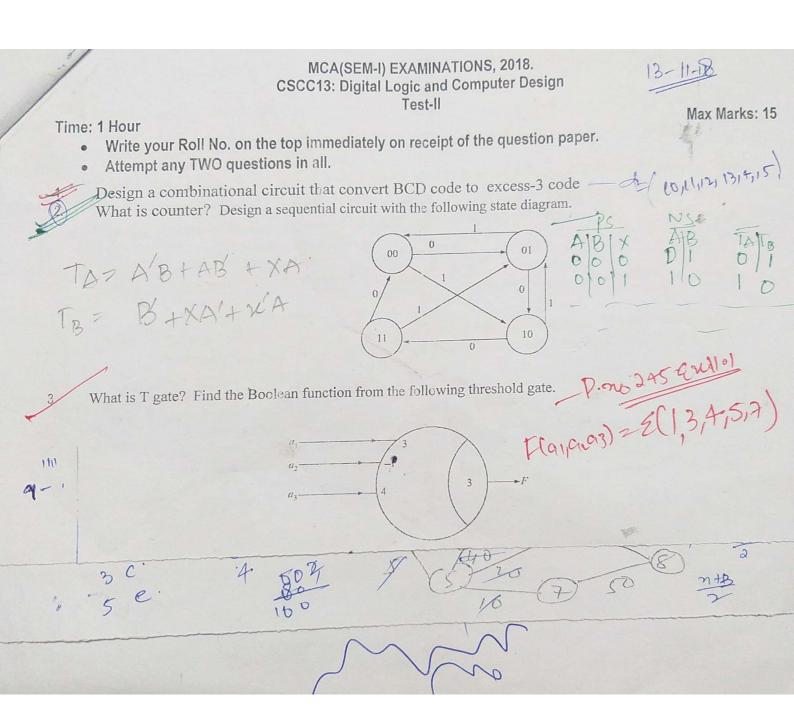
1) Druisson of work

2) Unity of command

3) Unity of direction

4) Scalar Chain

Internal Assessment Test Course title: Computer Fundamental Course Code: CBCS11 (2nd Test): 2018 (12.11.2018) MM: 15 Note: Attempt all the Questions: Date: 12/11/18 Time: 1 hr. O1. Discuss the following:-Switch, Bridge and, Router i. Internet and intranet ii. Internet topologies. iii. Q2. Explain the following: Multithreading vs Multiprogramming i. Process and Process State ii. What is Firewall? iii. a. Write short note on PLP. Q3 Explain HTML and XML What is search Engine? Give Examples.



DEPARTMENT OF COMPUTER SCIENCE, JMI, NEW DELHI Sessional Test-II, 2018-19 Subj. code: CSCC 14 Subject: MFCS Course: MCA - I semester MM: 15 Time:Min. Note: Attempt any three questions and all questions carry equal marks. There are 6 books on mathematics, 3 on computer science, and 5 on electronics. In how many ways can these be placed on shelf if books on the same subject are to be together? (x+1)-(n-w) Translate any four the following in the symbolic/sentence form: [Q2]. i) No student loves Bill ii) Bill has no sister iii) Every student loves some student. iv) Everything is on something What do you mean by the next larger r-permutation and next larger r-combination? $\forall y \in \exists x \forall y.bought(x, y)$ Determine the next larger permutation of 1356 and next large combinations of 2356 in a set of elements {1, 2, 3, 4, 5, 6}. Define the general term and middle term of binomial expansion with example. [option]] Attempt any on any two: [Q5]. i) Planar, bipartite, and regular graph, tree ii) Define rank and nullity of a graph iii) Spanning tree of the following graph:

2ND SESSIONAL TEST- MCA I SEMESTER

Professional and Business Communications (CSCC15) Attempt any two questions select one question from each unit.

Section A

- Q1: You are Regional Head -Sales in ICICI Prudential, the performance of entire North region was very poor in terms of sales for the last quarter (July-Aug-Sept 2018). You want to call a meeting of all Branch Managers/ unit Head on November 17, 2018. To discuss the following issues:
 - 1. Reasons for low sales
 - 2. Do we need to give training to our sales people?
 - 3. Firing of responsible people.
 - 4. Any other issue.

The meeting is scheduled to be at Regional Office of ICICI Prudential, XYZ Buildiding, Tollstroy Marg, and Connaught Place, New Delhi 110001.Time: 10:30AM.

You draft a Notice for the above meeting and attached the agenda for the meeting.

Assume the meeting is over, you draft a minute of the meeting.

Q2: You are Project Manager (Purchase) in ABCD Ltd, your company is in interior decoration business. A company Geo Illumination Ltd. Whose Sale manager is Mr. Arun Gupta, you had a casual discussion regarding business in a Trade show (which was held in New Delhi in September 2018). Now you write a letter to Mr. Arun Gupta in which you show your interest to order their "XETA Light" in silver and Grey color 1000 units each. Request him to send the goods on 50 % cash and 50% 45 days credit. The address of Geo Illuminations Ltd is Xeta House, Capt Sher Singh Marg, and New Delhi 110097.

- Q3: You are called for an interview in TCS for the post of Software Engineers. Prepare list of at-least ten questions which you think may be asked in the interview. Also mention what shall be your response to these questions.
- Q4: What is corporate communication? Discuss the role and importance of Corporate communication in today's dynamic business
- Q5: Does differences in cultures play a role in communication. Discuss with some examples.
- Q6: What is international Business Negotiation Skills. Discuss its importance.

2ND SESSIONAL TEST- MCA I SEMESTER

ProPriciples Of Mgt & OB (CSCC16)
Attempt any two questions select one question from each unit.

Section A

Q1: What is SWOT analysis and PEST analysis.

Q2: What is the implications of Steve Covey's Time management Techniques/concept.

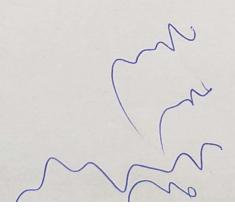
Q3: What is Organizational Behaviour? What is the practical implication of OB knowledge for a manager.

Section-B:

Q4: What is Learning? Compare and contrast the classical Learning theory with Operant Learning Theory.

Q5: Do Emotions have any role in an organization? Discuss the issue with some examples.

Q6: Write a note of Benchmarking or JIT.



MCA (SEM-I) Minor Test-II, 2018 CBSE12: Problem Solving and Programming in C

in C
Max Marks: 15

Time: 1 Hour

Attempt any three questions. All questions carry equal marks.

- Distinguish between Call-by value and Call-by-reference with an example. Can a function in C return multiple values of different types? Write a function to merge the elements of two one-dimensional arrays of integers being passed as parameters.
- Distinguish among auto, static and external storage classes of C language with suitable examples.
- What are the advantages of pointers? Write a function in C to copy one string onto another using pointer.
- Define s structure data type TimeStruct containing three data members (fields) called hour, minute and second. Write a program that would assign values to the individual members (fields) and display the time in the form 16:40:30.

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