8th Nov,2017.

Department of Computer Science, JMI

Principles of Management and Organizational Behaviour: 2nd Mid Semester Examination

*Attempt any two among the following. **Each question carries equal marks (7.5 marks each).***

1. Discuss various approaches to measure organizational effectiveness. Support your answer with examples
2. Elaborate any two modern management techniques.
3. Write a short note on concept and significance of time management.

8th Nov,2017.

Department of Computer Science, JMI

Professional and Business Communications: 2nd Mid Semester Examination

Attempt any two among the following. Each question carries equal marks (7.5 marks each).

1. Discuss different kinds of business letters.
2. What are various elements of a long formal report? Support your answer by providing a format.
3. What do you understand by oral communication? While giving a presentation to your client how Ten Commandments of effective oral communication will help you?

DEPARTMENT OF COMPUTER SCIENCE, JMI, NEW DELHI

Sessional Test-II, 2017-18

Course: MCA – I semester
Subject: MFCS
Subj. code: CSCC 14

Time: 1 Hr.
MM: 15

Note: Attempt **any five** questions. All questions carry equal marks.

1. Explain by examples, the pigeon hole principle and principles of mutual exclusion and mutual inclusion?
2. Prove by mathematical induction that from the coins of 3 and 5 denominations we can obtain any amount of greater or equal to 8 denominations.
3. Describe how the general term and middle term are calculated in a binomial expansion.
4. What do you mean by P, T, CP, ES, and EG in logic theory? Discuss with example.
5. Symbolize the "All the world respects selfless leaders".
6. In how many ways can 5 similar books be placed on 3 different shelves?
7. How many ways can 3 integers be selected from the integers 1, 2, 3, ..., 30 so that their sum is even.

MCA(SEM-I) EXAMINATIONS, 2017
CSCC13: Digital Logic and Computer Design
Test-II

20/12/17

Time: 1 Hour

Max Marks: 15

- Write your Roll No. on the top immediately on receipt of the question paper.
- Attempt any TWO questions in all.

Design a combinational circuit that accepts a three bit number and generates an output binary number equal to the squire of the input number.

What is Flip Flop? List various Types of Flip Flop. Design a sequential circuit using JK flip flop from the following state equations:

A(t+1)= A'BC+ABC'+BC

B(t+1)=AC'+B'C+ABC

C(t+1)=AC+AB'+BC

What is T Gate? Implement AND, OR and NOT gate with T gate.

Internal Assessment Test PG Course (First Semester)
Course title: Computer Fundamentals
Course Code: (CSCC11)
(2nd Test): 2017

Attempt all the Questions: **MM: 15**

Time: 1 hr. **Date: 9/11/17**

Q1a. What is PLP? Discuss functionality of Imperative Languages. <3>

b. Explain the following terms briefly and arrange in the order they should be executed.
(Linker, Loader, Editor, Compiler) <2>

Q2. What is an operating system? Explain any four different types of operating system with the help of suitable examples. <5>

Q3a. What is Computer Network? Explain network topologies. <3>

b. Briefly discuss types of network. <2>

MCA (SEM-I) Minor Test-II, 2017

CBSE12: Problem solving and programming in C

Time: 1 Hour **Max Marks: 15**

- *Attempt any three questions. All questions carry equal marks.*

1. Distinguish between call-by value and Call-by-reference with an example. Can a function in C return multiple values of different types?
2. Explain the *auto, static* and *external* storage classes of C language with suitable examples.
3. What are the advantages of Pointers over arrays? Write a function in C to concatenate two given strings being passed as parameters using pointers.
4. Explain and give the output for the following piece of codes.

(i) int main() { char *str= "MALYALAM";
for (int i= strlen(str)-2; i>2; i--) printf("%c". *(str+i)); return 0;}

(ii) int power(int **ptr) { int b;
b = **ptr * **ptr; return b;}
int main() { int a=5,*aa; aa = &a; a = power((&aa); printf("%d\n",a); return 0; }

❖ ❖ ❖