

LOYOLA ACADEMY DEGREE & PG COLLEGE, OLD ALWAL

(An Autonomous and Re-accredited with 'A' Grade by NAAC)

MCA I Semester Final Examination, March - 2014

Subject : Elements of Information Technology

Exam Time : 3 hrs

Sub. Code : MCA13104

Max. Marks : 100

Note : Answer all questions. Each question carry equal marks (5 x 20 = 100 M)

UNIT – I

1. (a) What are the differences between system software and application software? -- 10 M
(b) Explain the operations done by operating systems. -- 10 M

OR

2. (a) Explain different kinds of computer. -- 10 M
(b) What is storage media? Write about principle measurements of data? Define RAM and ROM. -- 10 M

UNIT – II

3. (a) Explain in detail compression and decompression. -- 8 M
(b) What is instruction cycle? Explain the different phases of instruction cycle. -- 12 M

OR

4. (a) Explain different types of Input /Output devices -- 10 M
(b) Differentiate between
(i) Cache memory and main memory
(ii) Optical disks and flash memory -- 10 M

UNIT – III

5. (a) Explain the internet technologies and its features. -- 10 M
(b) Explain the various communication channels in detail. -- 10 M

OR

6. (a) Explain (i) Video conferencing
(ii) World Wide Web -- 10 M
(b) Differentiate circuit switched network and packet switched network. -- 10 M

UNIT – IV

7. (a) Explain the data base organisation methods in detail. -- 10 M
(b) What are the advantages of file management systems over Database management Systems. -- 10 M

OR

8. (a) Explain in detail about lists using suitable examples. -- 10 M
(b) What are file access methods? Explain. -- 10 M

UNIT – V

9. Explain five steps procedure in software development. -- 20 M

OR

10. (a) Explain the differences between structured, semi-structured and unstructured Information. How do they affect decision-making. -- 10 M
(b) What is an information system? Discuss its need and importance. -- 10 M

LOYOLA ACADEMY DEGREE & PG COLLEGE, OLD ALWAL

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MCA (I semester) Examination, March 2014

Subject : Modern Economic Analysis

Exam Time : 3 hrs

Sub. Code : MCA 10105

Max. Marks : 100

Answer the following questions

5 x 20M = 100M

1. Define Managerial Economics and bring out its nature & scope.

OR

2. What are the fundamental concepts in Managerial Economics?

3. Explain the law of demand and its exceptions.

OR

4. What does it mean by elasticity of demand & what are the types of elasticity of demand.

5. Explain the law of variable proportions in production analysis.

OR

6. Explain the concept of optimal plant size in Long run cost analysis.

7. What are the methods for measuring the national income of a country?

OR

8. What are the salient features of India's five year plans?

9. What are the powers & functions of the RBI?

OR

10. Write an essay on financial institutions in India.

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MCA Examination, March 2013

Subject : Comp. Prog. & Problem Solving (C, C++)
Sub. Code : MCA10103

Exam Time : 3 hrs
Max. Marks : 100

Answer the following questions. Each question carries equal marks. 5 x 20M = 100M

1. a) Explain different computing environments.
b) Write a 'C' program to find the factorial of a given number 'N'.
(OR)
2. a) Explain different types of operators including their precedence and associativity.
b) Write different programs to display numbers from 10 to 1 using while, do while and for loops.
3. a) Define function. Explain the need of functions.
b) Write a program for Bubble sort.
(OR)
4. a) Define pointer. Explain the concept of passing an array to function with example.
b) Write about different string handling functions.
5. a) Explain (i) enum (ii) typedef
b) Write about preprocessor directives.
(OR)
6. a) List out the differences between structure and union.
b) Write a program to create and read a text file.
7. a) Explain different oops features.
b) Write about inline functions.
(OR)
8. a) Explain different types of parameter passing mechanisms.
b) Explain function template with an example.
9. a) Explain different types of inheritances with examples.
(OR)
10. a) Write about different types of constructors.
b) Explain Abstract classes.

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MCA Examination, March 2013

Subject : English

Sub. Code : MCA10106

Exam Time : 3 hrs

Max. Marks : 100

Answer the following questions

5 x 16M = 80M

PART – A

I. Write any five of the following

1. What is Non-verbal Communication? How different is it from Verbal Communication? Support your statements with examples.
2. What are the guidelines to be followed for an E-mail Communication? Mention the format of an E-mail?
3. What are objectives of Performance Appraisal? Write the Advantages of having a Performance Appraisal?
4. What is the structure of Informative Presentation? Write a brief note on each of them.
5. State the differences between Spoken and Written Communication. Elaborate on the features of written communication.
6. Write notes on a) Format of a Business Letter b) Memo
7. Prepare a C.V. with your up-dated qualifications and write a Cover Letter for a job application.

Part – B

II. Correct the following sentences

(5 x 1 = 5M)

1. She likes dogs, but she don't like cats.
2. Me and my friend are going to the beach next weekend.
3. We going to the super market?
4. We are going to there house.
5. Inspite of the curfew still the college was working.

III. Check the spelling

(5 x 1 = 5M)

1. IRRESTIBLE
2. ACOMODATE
3. SAPERATE
4. DEFINATLY
5. MAINTAINANCE

IV. Fill in the blanks with the appropriate tenses.

(5 x 1 = 5M)

1. _____ at school yesterday? (you, be)
2. The fire _____ at six in the morning. (still burn)
3. They _____ their homework. (already finish)
4. The Earth _____ here for billions of years. (be)
5. She _____ very well in school these days. (not, do)

V. Fill in the blanks with appropriate prepositions.

(5 x 1 = 5M)

1. The restaurant was opened _____ Dick and Mac McDonald.
2. _____ 1927, 15 million T cars had been manufactured in the Ford Company.
3. We can only get to the camp _____ foot.
4. Please write _____ ink.
5. It's _____ time you tell him the truth.

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