



12DD 44 – I (15)

**B.Sc. I Semester Degree Examination, Nov./Dec. 2012**  
**COMPUTER SCIENCE**  
**Data Processing and Computer Applications**

Time : 3 Hours

Max. Marks : 80

- Instructions :** 1) Answer according to the **instruction** given.  
2) **All the Sections are compulsory.**

**PART – A**

I. Answer **any ten** of the following :

**(10×2=20)**

- 1) What is computer ? Give examples.
- 2) What is cache memory ?
- 3) What is system software ?
- 4) Perform the subtraction with the following binary numbers using 2's complement.  
i) 10010 – 10011.
- 5) What do you mean by protecting a document ?
- 6) Mention any four components of a MS-Word document.
- 7) What is batch processing ?
- 8) Mention any four internal DOS commands.
- 9) What do you mean by cell referencing ?
- 10) How do you create a table in MS-Access ?
- 11) What is template wizard presentation ?
- 12) What is web browser ? Give example.

**PART – B**

II. Answer **any six** of the following :

**(6×5=30)**

- 1) Describe windows desktop environment.
- 2) Explain the characteristics of a computer.
- 3) Explain any five DOS external commands with syntax and example.
- 4) What is formatting ? Explain different methods of formatting in MS-Word.
- 5) Explain the features of electronic spreadsheet.

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- 6) Explain mathematical and statistical functions in MS-Excel.
- 7) What is sorting ? How do you sort records ?
- 8) What are the advantages of E-mail ?

PART – C

III. Answer **any three** of the following :

(3×10=30)

- 1) Explain the functions of an operating system.
- 2) Explain the following terms :
  - a) Icons
  - b) Menus
  - c) Pointer
  - d) Dialog box
  - e) Alignments.
- 3) Explain the auto content wizard. What are the advantages of using Powerpoint presentations ?
- 4) Explain different types of charts in MS-Excel.
- 5) What is database ? Explain briefly Tables, Queries, Forms, Reports.

PART – B

(6×5=30)

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B.Sc I Semester Degree Examination, December 2012

**Computer Science**

**Introduction to Computers and C-Programming**

Time: 3 Hours

Max. Marks : 80

**Instruction : All the Sections are Compulsory.**

I. Answer **any ten** of the following: 10 X 2 = 20.

1. Mention the Characteristics of Computer.
2. Mention any two types of Printers.
3. Mention any two input devices.
4. Convert  $27_{(10)}$  to binary and  $171_{(10)}$  to hexadecimal.
5. Define Operating system.
6. Define Compiler.
7. Mention the syntax of declaring a Variable.
8. Mention the syntax of for Statement.
9. Define an array.
10. Mention different types of computer networks.
11. Mention any two external DOS commands.
12. Define Internet.

II. Answer **any six** of the following: 6 X 5 = 30.

1. What are input devices? Explain three input devices.
2. Write a note on computer languages.
3. Explain the Basic structure of C Program.
4. Explain the basic data types used in C.
5. Explain Relational and increment operators in C.
6. Write a C program to arrange n numbers in ascending order.
7. Explain the syntax of while and do-while looping structures.
8. Explain the process of initializing and accessing an array.

III. Answer **any three** of the following: 3 X 10 = 30.

1. Explain the functional block diagram of Computer.
  2. Explain the different output devices.
  3. Write a C program to find Transpose of a matrix.
  4. Write a C program to illustrate switch statement.
- Write short notes on
- a. if - else.
  - b. Conditional operator.
  - c. Algorithm.