

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.

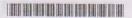
PART-B

II. Answer any six of the following:

 $(6 \times 5 = 30)$

- 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:

 $(3 \times 10 = 30)$

- 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.

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:

- 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
- 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
- Mention any two external DOS commands. 11.
- 12. Define Internet.

II. Answer any six of the following:

 $6 \times 5 = 30$.

- 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.

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- 8. Explain the process of initializing and accessing an array.

III. Answer any three of the following:

 $3 \times 10 = 30$.

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