

**B.Sc. (Part-I) Semester-I Examination****IS : COMPUTER APPLICATION (Voc.) (New)****(Basic of Computer and Structured Programming)**

Time : Three Hours]

[Maximum Marks : 80

**Note :—** (1) All questions are compulsory.

(2) Question No. 2 to 13 carry equal marks.

(3) Assume suitable data wherever necessary.

1. (A) Fill in the blanks :

(i) ROM stands for \_\_\_\_\_.

(ii) \_\_\_\_\_ constant can be defined using # define.

(iii) The quantity which does not change is called \_\_\_\_\_.

(iv) DVD stands for \_\_\_\_\_.

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(B) Choose the correct alternative and rewrite the following :

(i) Which of the following is not a keyword ?

(a) printf

(b) auto

(c) scanf

(d) cycle

(ii) Which of the following is a volatile memory ?

(a) PROM

(b) EPROM

(c) ROM

(d) RAM

(iii) Keyword is \_\_\_\_\_.

(a) Input device

(b) Both

(c) Output device

(d) None

(iv) int and char are :

(a) Input

(b) Datatypes

(c) Variable

(d) None

2

(C) Answer the following in **one** sentence :

(i) State function of light pen.

(ii) Give general syntax of conditional operator.

(iii) What are logical operators ?

(iv) What is an identifier ?

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2. (A) Explain PROM, EEPROM and Cache memory.

6

(B) Draw and explain Block diagram of computers.

6

**OR**

3. (A) Explain the working of Hard disk and CD.

6

(B) Explain the characteristics of computer.

6

4. (A) Explain file, I/O and process management. 6  
(B) How to customise desktop of Windows XP ? 6  
**OR**
5. (A) Explain the features of Windows XP. 6  
(B) Describe booting process and functions of O.S. 6
6. (A) Explain the rules for identifiers. 6  
(B) Explain relational and logical operators in C. 6  
**OR**
7. (A) What are qualifiers ? Explain with example. 6  
(B) Describe bitwise operators with example. 6
8. (A) Explain the following functions :  
(i) gets( )  
(ii) puts( )  
(iii) putchar( ) 6  
(B) What is nested loop ? Explain with example. 6  
**OR**
9. (A) Explain the following statements with example :  
(i) goto (ii) break (iii) continue 6  
(B) Write a program code to check whether the given number is even or odd. 6
10. (A) Explain declaration and initialization of two dimensional array with example. 6  
(B) What is union ? Compare with structure and give example. 6  
**OR**
11. (A) Write a program in 'C' to find the sum of the elements of a given array. 6  
(B) Explain local and global variables with example. 6
12. (A) What is file ? State the opening modes of file. 6  
(B) Explain the following functions with example :  
(i) fwrite( )  
(ii) fread( ) 6  
**OR**
13. (A) Explain the following functions :  
(i) fgetc( )  
(ii) fgets( )  
(iii) fputs( ) 6  
(B) Write a program code to read data from console and store it in file. 6