

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 ?

4

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