AV–1677

B.Sc. Part–I Semester–I Examination

COMPUTER SCIENCE/COMPUTER APPLICATION/INFORMATION TECHNOLOGY–I (OLD)

(Computer Fundamentals and C Programming)

Time : Three Hours]   [Maximum Marks : 80

N.B.:— (1) All questions carry equal marks.

(2) Question No. **1** carries **8** marks and all other questions carry **12** marks each.

(3) Assume suitable data wherever necessary.

1. (A) Fill in the blanks :

   (i) RAM stands for _____ .

   (ii) _____ is a diagrammatic representation of the program.

   (iii) C language was developed by _____ .

   (iv) WWW stands for _____ .   2

   (B) Choose the correct alternatives from the following :

   (i) _____ is a reserved word having predefined meaning.

      (a) Operators   (b) Keywords

      (c) Literals   (d) Indentifiers

   (ii) Which format specifier is used to print the value of float type variable ?

      (a) % d   (b) % u

      (c) % c   (d) % f

   (iii) _____ is an input device.

      (a) Printer   (b) Scanner

      (c) Plotter   (d) Speakers

   (iv) _____ command is used to make new directory in DOS.

      (a) CD   (b) RD

      (c) MD   (d) DIR   2

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

   (i) What is Booting ?

   (ii) What is Compiler ?

   (iii) What do you mean by Domain name ?

   (iv) Enlist any three output devices.   4

2. (A) What is Computer ? Explain the characteristics of computers.   6

   (B) Explain the types of printers with suitable example.   6

OR

3. (A) What is Memory ? Explain the ROM families.   6

   (B) Explain the classification of computers.   6

4. (A) What is number system ? Explain the conversion of Binary number system to Decimal Number System with example. 6

 (B) Explain the Function of Windows Operating System. 6

OR

5. (A) What is Booting ? Explain the types of Booting processes. 6

 (B) Explain the following commands :

 (i) DIR

 (ii) COPY CON

 (iii) DATE 6

6. (A) What is Internet ? Explain the features of Internet. 6

 (B) Explain the following :

 (i) Internet Explorer

 (ii) Search Engine. 6

OR

7. (A) What is E-mail ? Explain the procedure to sending e-mail. 6

 (B) What is Protocol ? Explain the types of protocols. 6

8. (A) What is Algorithm ? Write an algorithm to find the roots of the quadratic equation. 6

 (B) Explain the types of programming languages. 6

OR

9. (A) What is Flowchart ? Explain the various symbols used for flowchart. 6

 (B) Explain :

 (i) Interpreter

 (ii) Compiler

 (iii) Debugger. 6

10. (A) Explain the structure of C program with example. 6

 (B) What is Data Types ? Explain basic data types used in C language. 6

OR

11. (A) What is Variable ? How it is declared & initalized ? Explain it with example. 6

 (B) Explain the following :

 (i) Symbolic Constant

 (ii) Typedef operator 6

12. (A) Explain the unformatted I/O statements in C language. 6

 (B) Write a C program to find the smallest of given three numbers. 6

OR

13. (A) Explain Switch Statement with syntax and suitable example. 6

 (B) Explain the following :

 (i) Printf ( )

 (ii) Conditional operator

 (iii) Nesting of loops. 6