B.A./B.Sc. (General) 2nd Semester Examination

1047

COMPUTER SCIENCE
Paper : CS04–Theory–B : C Programming

Time : 3 Hours]   **[Max. Marks : 30**

Note :– Attempt *one* question from each Section–A, B, C and D. Question No. **9** (Section–E) is compulsory question.

Section–A   6 each

1. What are differences between Algorithm and Flowchart ? Explain with example.

2. What are various rules for constructing constants and variables in C language ?

N–113   (1)   Turn Over

3. What are various arithmetic operators in C language ? Discuss the meaning of each. Also discuss the precedence and associatively of operators.

4. How is "switch" statement different from "if" statement ? Discuss with example.

5. What is Recursion ? What are advantages of using recursion ?

6. How are arrays passed to functions ? Write a program in C language to search an element in an array by using the concept of passing an array to a function.

7. What do you understand by strings ? Write a program in C language to copy one string to another without using inbuilt function.

8. What do you mean by structures in C language. Write a program in C language to create a structure of student containing name, class, age and address of student. Input the data and print the data for one student.

N–113 (2)

(Compulsory Question)

9. Discuss the following in short :

   (a) What are identifiers and keywords in C language ?

   (b) Write a short note on structure of C program.

   (c) What is difference between local and global variables ?

   (d) What is difference between array and string variables ?