COMPUTER SCIENCE

Paper – CS04 – Theory - B : C Programming

Time Allowed : Three Hours   **Maximum Marks : 30**

Note: 1. The Question Paper will consist of **five** Sections.

2. The students are required to attempt **one** question from each Section and the Compulsory question Section E.

3. All questions carry equal marks.

Section – A

1. Mention different steps to develop a program. Explain using an example.

   6

2. Mention different data types in C. Give example for each.   6

Section – B

3. How the type conversions are handled by C ?   6

4. What are the different decision making statements in C ? Give syntax for each.

   6

Section – C

5. What do you mean by the term recursion ? What are its advantages ?

6

6. What is an array ? How to access an array ? What are the advantages of using an array ?

6

Section – D

7. How to declare and initialize string variables ? With the help of C program mention steps to read and write a string.

6

8. What is a structure ? What is its use ? How to initialize and access structure members ?

6

Section – E
(Compulsory Question)

9. Write the following answers briefly :

(a) Differentiate between compilation and execution.

2

(b) What is a real constant ?

1

(c) Explain the hierarchy in operators of C.

1

(d) Differentiate between If-Else and Nested If-Else decision control structures.

2