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

1047

COMPUTER APPLICATIONS
(C Programming Language)
Paper : CA03

Time : 3 Hours]   [Max. Marks : 30

Note :– Attempt *five* questions in all, selecting *one* question each from Section–A, B, C and D. Section–E is compulsory.

Section–A   6 each

1. What are different data types of available in C ? Explain each one of them.

2. Explain the use of break and continue statement in loops with example.

N–216   (1)   Turn Over

Section–B

6 each

3. What is difference between pass by value and pass by Reference ? Explain with the help of example.

4. What is a Storage Class ? Discuss in detail the difference between all storage classes with suitable examples.

Section–C

6 each

5. Explain any *three* string manipulation library functions with examples.

6. How do you create multidimensional arrays in C ? Write a program to multiply two matrices and print the result.

Section–D

6 each

7. Differentiate between a structure and a union. Explain in detail using suitable example program for each.

8. Explain file handling. Write a program to create a file and display its contents.

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(2)

Section–E

3×2=6

(Compulsory Question)

9. Attempt all parts :

   (a)   Enlist various operators of C-language.

   (b)   What is malloc and calloc ?

   (c)   What are preprocessor statements ?