Code No.9009

FACULTY OF SCIENCE

B.Sc. (CBCS) I - Semester Examination, November/December 2018

Subject: Computer Science (Programming in C)

Paper: I

Time: 3 Hours Max. Marks: 80

Part – A (8x4 = 32 Marks)
(Short Answer Type)
Note: Answer any EIGHT of the following questions.

1. Define Computer. Explain its parts.
2. What is an algorithm? Write an algorithm to find greatest of two numbers.
3. Describe expression evaluation precedence and associativity with an example.
4. Write about escape sequences with its purpose.
5. Write a program to demonstrate conditional operator.
6. Explain the functions from ctype.h.
7. Write a program to implement CALL BY REFERENCE.
8. What is Inline function in C? Write the advantages of Inline functions.
9. Define a pointer. Write the advantages of pointers.
10. What is a structure? How to create a structure?
11. Explain various operations on files.
12. What is a Binary file? Write its advantages.

Part – B (4x12 = 48 Marks)
(Essay Answer Type)
Note: Answer ALL the following questions.

13. (a) Discuss: (i) Types of computers (ii) C variables and constants.

OR

(b) Describe different data types with examples and programs for each.

14. (a) Explain all iterative statements with programs and illustrations for each.

OR

(b) Define and represent multidimensional Array. Write a program to add two matrices.

15. (a) Explain different storage classes with purpose, scope and program for each.

OR

(b) Explain Direct Memory Access. Describe CALLOC( ) and MALLOC( ) functions with a program.

16. (a) What is a Union? Explain Union declaration and initialization and accessing with examples and programs.

OR

(b) What is a text file? Write a C program to create, write and read data from the file.

******