

Faculty of Science
B.Sc (Computer Science) I-Year, CBCS –I Semester
Regular Examinations, Dec/Jan 2019-20
PAPER: PROGRAMMING IN C

Time: 3 Hours

Max Marks: 80

Section-A

- I. Answer Any **EIGHT** from the following questions (8x4=32 Marks)
1. Write the classification of Computers.
 2. Write a short note on Operating System.
 3. Differentiate between Compiler and Interpreter.
 4. Write Non-Formatted and Formatted Input and Output Functions.
 5. Differentiate between while and do-while Statements.
 6. Write a short note on Character Arrays.
 7. Write a short note on Storage Classes.
 8. Write a short note on Recursive Functions.
 9. Explain Dynamic Memory allocation.
 10. Write a short note on Array of Structures.
 11. Write a short note on Enumeration Types.
 12. Write a short note on Files of Records.

Section-B

- II. Answer the following questions (4x12=48 Marks)
13. (a) Define an Algorithm. Write the different ways of Stating Algorithms.
(OR)
(b) Write the Operators and Expressions used in C. Also Explain Precedence and Associativity with example Programs.
14. (a) Explain different Selection Statements available in C with example code.
(OR)
(b) What are Arrays? How to define an array? Write a program for matrix multiplication and trace the output.
15. (a) What are Functions? Explain Call-by-Value and Call-by-Reference using example programs.
(OR)
(b) Define Pointers. Explain Pointers to Pointers to Pointers and Pointers to Arrays using example Programs.
16. (a) Differentiate between Structures Vs Unions using example Programs.
(OR)
(b) Explain working with Binary Files using example program.

