Code No. D-0321

FACULTY OF INFORMATICS

BCA I Semester (CBCS) (MAIN & BACKLOG) (NEW) Examination, March 2022

Subject: Programming in C

Time: 3 Hours **Max. Marks: 70**

(Missing data, if any, may be suitably assumed)

PART - A

Note: Answer all questions. **(10 x 2 = 20 Marks)**

1. a) List out the identifiers of C-programming language?
   b) Convert the $(132)_{10}$ into Binary system.
   c) Write the logical operators of C-programming language?
   d) Define the function and types of functions.
   e) What are difference between while and do-while?
   f) What are symbols of flow chart?
   g) Define pointer and pointer to pointer.
   h) Convert the $(144)_{10}$ into octal.
   i) Deference between union and structure.
   j) Define the enumeration types with syntax.

PART – B

Note: Answer any five questions. ***(5 x 10 = 50 Marks)***

2. a) Find the convert of $(352.416)_{10}$ to Binary & Hexadecimal.
   b) Draw a flow chart for finding sum of array elements.
3. Write the precedence and associativity of operators in 'C'?
4. Describe the different types of functions in C with example programs.
5. Explain the control statements in 'C' with example program.
6. Write a C-program to find out maximum and minimum value from array?
7. Write a C-program to implement selection and bobble sort?
8. Write a C-program to demonstrate arithmetic array passing to functions using pointers?
9. What is string and write a program to demonstrate array of strings?
10. Write a program to implement Nested-Structure with example?
11. Write a program to implement reading student data from console and store into file?

****