## Computer Programming (CS-104) (C)

## B.SC (Honors in Mathematics) 1st Semester

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Time Allowed: 3Hour

Max Marks:40

Note: Attempt two Questions selecting one question from each section A, B. Section C is compulsory

## SECTION-A

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Q1.Discuss the different conditional statements used in programming of C language. Give syntax 10% Q2. Discuss using a program the difference between call by value, call by reference and call by pointer.

Q3. What is a storage class? Discuss different storage classes in C language
Q4. Discuss different types of operators used in C language with the help of examples

SECTION-B

Q5. What are input and output files? Give a simple program to read and write data into file.

Q6. Write a C program to multiply the two arrays of same size.

Q7. What are strings? Write a program in C to count the length of a given string.

## SECTION-C

Q9.

- a. Define Data type
- b. What is difference between & and && operator?
- c. Give syntax of "Do While" statement.
- d. What are formal arguments in functions?
- e. Define 2D array
- f. What is a pointer variable?
- g. Give syntax for define a general structure.
- h. What is the purpose of gets () function?
- i. What is a reference variable?
- j. Define pointer to array.