

**B.Sc. 3<sup>rd</sup> Semester (Honours) Examination, 2020(CBCS)**  
**Subject : Statistics**  
**Paper : CC-7**

**Time : 2 Hours**

**Full Marks : 40**

*The figures in the margin indicate full marks.*  
*Candidates are required to give their answers in their own words*  
*as far as practicable.*  
*Notations have their usual meaning.*

**Statistical Computing using C/C++ Programming**

Answer *any eight* of the following questions.

**8×5=40**

1. Define *switch* statement in C and its use. Give an example of a C program where *switch* statement can be used.
2. Define an operator. Discuss about different types of operators that are included in C.
3. What is function? Using function, write a program in C to compute the regression coefficient of y on x.
4. Write a short note on different data types in C.
5. Differentiate between a for loop and a while loop? What are its uses?
6. What is storage class? What are the different storage classes in C?
7. What is a pointer? What are the uses of a pointer? How are pointer variables initialized ?
8. What is a structure? Write a short note on dynamic memory allocation. What are the differences between `malloc ()` and `calloc ()`?
9. Write a C program to find the median of five numbers.
10. What is a file ? What are the types of file? How is a file closed ?