8. What is a pointer variable ? Explain the pointer arithmetic. What are its advantages ? How is it harmful ?

B.A./B.Sc. 2nd Semester

COMPUTER APPLICATION

(Programming using C)

Time Allowed—2 Hours]   [Maximum Marks—75

Note :— There are **Eight** questions of equal marks. Candidates are required to attempt any **Four** questions.

1. What kind of applications can use C as a programming language ? Discuss the advantages and disadvantages of the language C.

2. Explain the data types that can be used in a C program. Give examples of different data types to store different type of data in a gaming program.

3. With the help of an example, state the differences of different loop statements.

4. Explain the precedence and associativity of different operators.

5. What is a function ? Discuss the different types of functions. How is a function used ?

6. Write pseudo code for sorting an array. Explain the steps in code with the help of an example.

7. Explain the difference between structure and union ? Explain their usage with the help of an example.