

Exam. Code : 103202

Subject Code : 1009

B.A/B.Sc. Semester—II

COMPUTER APPLICATIONS

Paper—Programming Using 'C'

Time Allowed—3 Hours] [Maximum Marks—75

Note :— There are EIGHT questions. Attempt any FIVE questions.

- I. What is the use of DECISION TABLES, PSEUDO CODES, ALGORITHMS, FLOWCHARTS in Computer Science ? Explain with the help of examples. 15
- II. What are the various types of OPERATORS used in C Language ? Explain with the help of examples. 15
- III. What is the difference between ARRAY, UNION and STRUCTURE ? Describe with the help of programs and examples. 15
- IV. What is the difference between USER-DEFINED FUNCTIONS and LIBRARY FUNCTIONS ? How do we use LOCAL and GLOBAL FUNCTIONS in 'C' Language ? 15

- V. Describe the different types of CONTROL STATEMENTS in detail. 15
- VI. Explain the various SEARCHING and SORTING techniques with programs. How do we insert an element in an ARRAY ? 15
- VII. What do mean by C Language ? Discuss the applications of C Language. What is a difference between COMPILER and INTERPRETER ? 15
- VIII. Explain the different types of DATA INPUT/OUTPUT FUNCTIONS in detail. 15