

2316 **150**
Class-BA/B.Sc 2nd Sem.
Subject -Programming Using 'C'

Time Allowed : 3 Hours

Maximum Marks :75

Note:(1) Attempt any Five questions out of Eight Questions.

(2) All questions carry equal marks.

1. (a) Describe the structure of "C" Programme. 8
(b) Define Error. What are the different types of errors? 7
(8+7=15)
2. (a) What are basic data types in 'C'? For each data type, give an example of variable declaration in 'C.' 8
(b) What are the types of operators? Give any two examples to use each type of operator. 7
(8+7=15)
3. What is the difference between FOR, WHILE and DO-WHILE LOOP? Explain with the help of program. 15
4. (a) What do you mean by ARRAY? Explain the various advantages of an ARRAY. 8
(b) Write a program to search an element from ARRAY. 7
(8+7=15)
5. What do you mean by PROTOTYPE, DECLARATION and DEFINITION of a FUNCTION? Explain with the help of program in detail. 15

6. (a) What are branching statements in 'C'? Discuss with appropriate examples. 8

(b) How a two dimensional array is declared and initialized in 'C'? Write a 'C' program to find some of diagonal elements of an N*N matrix where n is any natural number. 7

(8+7=15)

7. (a) Explain AUTO and STATIC STORAGE CLASSES with the help of example. 8

(b) Explain EXTERN and REGISTER storage classes with the help of example. 7

(6+7=15)

8. (a) What are the different methods to DECLARE and INITIALIZE VARIABLES in C Language? 8

(b) Explain various USER DEFINED FUNCTIONS used in C Language? 7

(8+7=15)
