

## C 1503 A

B.C.A. (Three Year) DEGREE EXAMINATION, NOVEMBER 2016.

First Semester

Part II – Computer Applications

Paper III — PROGRAMMING USING C

*Time : 3 Hours*

*Max. Marks : 70*

### PART — A

Answer any FIVE of the following questions. **(5 × 4 = 20 Marks)**

1. Explain about high level languages.
2. Write a short note on printf and scanf functions.
3. What are Jump statements in 'C' language?
4. Explain about relational operators.
5. Write an example for string manipulation functions.
6. How can you pass array to functions?
7. Write a syntax and example for union?
8. Write 'C' program to copy a file using FEOF.

### PART — B

Answer ALL of the following questions **(5 × 10 = 50 Marks)**

#### UNIT – I

9. (a) Explain the use of a flowchart and algorithm.  
Or  
(b) Differentiate between type casting and type conversion.

#### UNIT – II

10. (a) Explain about storage classes.  
Or  
(b) Explain about loops in 'C' language.

#### UNIT – III

11. (a) Write a procedure to access array elements? Give an example.  
Or  
(b) What are the operations that can be performed on array.

Turn Over

UNIT – IV

12. (a) Discuss about pointer expressions and pointer arithmetic  
Or

(b) Write about arrays of structure.

UNIT – V

13. (a) Write a short note on functions that are used to read data from a file.  
Or

(b) Write a short note on error handling while performing file operations.

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