

C 2303 A

B.A./B.Sc./B.Com. (Three Year) DEGREE EXAMINATION, MARCH/APRIL 2017.

(End Semester Examination)

Second Semester

Part II : Computer Application

PROGRAMMING IN C

(Common for B.A./B.Sc./B.Com. (CA))

Time : 3 Hours

Max. Marks : 70

PART — A

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

1. What is algorithm? What are the key features of algorithm?
2. Explain about “Break” and “Continue” statements.
3. What is recursive function?
4. What is array? What are different types of arrays?
5. What are enumerated data types?
6. Explain the basic structure of ‘C’ program.
7. What is function? What are the advantages of functions?
8. What is union? Differentiate between structure and union.

PART — B

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

9. (a) Briefly explain various programming languages.
Or
(b) What are the basic data types in ‘C’? Explain with examples.
10. (a) What are the conditional branching statements? Explain with general form and flowchart.
Or
(b) Discuss about various looping statements with flow algorithms.

Turn Over

11. (a) Explain the following by giving programming examples :
- (i) Call by value
 - (ii) Call by reference.

Or

- (b) Explain various types of functions.
12. (a) Explain the declaration and initialization of one and two dimensional arrays with example.

Or

- (b) List the standard string functions in 'C', with suitable examples along with syntax.
13. (a) Define pointer. Discuss about array of pointers, array of function pointers.

Or

- (b) What is structure? What are the features of a structure? Explain with an example.
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