

DL-42

Your Roll No.....

**BACHELOR OF COMPUTER
APPLICATION I YEAR
EXAMINATION, 2010**

Paper — BCAD-201

PROGRAMMING FUNDAMENTALS

Time : 2½ Hours

Maximum Marks : 70

*(Write your Roll No. at the top immediately
on receipt of this question paper.)*

*Answer ALL questions of Section A, any SIX questions
of Section B and any THREE question of Section C.*

SECTION - A (1 × 10 = 10)

Answer ALL questions. Each questions carries 1 mark.

Fill in the blanks:

1. Problems prevent an organization from _____ .
2. _____ determines how accurately the data is being processed by the machine.
3. _____ is a critical factor in any modern business concern.
4. An alternative method of representing program logic is a _____ .

P.T.O.

5. The modules reflect a _____ flow for a computer program.
6. _____ means strength of relations between modules.
7. Programming in machine language usually result in _____.
8. An assembler is a program which is _____.
9. ATL is the _____.
10. A toolbar is a collection of _____.

SECTION - B (6 × 5 = 10)

Answer any SIX questions. Each carries 5 mark.

11. Write an algorithm to print first 10 even numbers.
12. What are the steps involved in problem solving ?
13. Explain three advantages and disadvantages of machine language.
14. What do you mean by Null pointers ?
15. Write down the six advantages of structured programming.
16. Differentiate between cohesion and coupling ?

17. What are multidimensional array ? How to initialize an array.

18. Write short notes on :

- a) PPG
- b) Assembler

SECTION - C (3 × 10 = 10)

Answer any THREE questions. Each carries 10 marks.

19. What is File ? Using C language, how will you open and close a file ?

20. What are programming interfaces ? What is its importance ?

21. Discuss the advantages of function declaration in detail.

22. How can pointers be used as function arguments ?

23. What do you mean by Black-box and White-box Testing ? Describe in detail.