

Roll No. :

Total No. of Questions : 11]

[Total No. of Printed Pages : 3

BC-200 (A)

B.C.A. (Part-I) Examination, 2022 FUNDAMENTALS OF COMPUTER PROGRAMMING

Paper - BCA-106

Time : 3 Hours]

[Maximum Marks : 70

Section-A

(Marks : 2 × 10 = 20)

Note :- Answer all *ten* questions (Answer limit **50** words). Each question carries **2** marks.

Section-B

(Marks : 4 × 5 = 20)

Note :- Answer all *five* questions. Each question has internal choice (Answer limit **200** words). Each question carries **4** marks.

Section-C

(Marks : 10 × 3 = 30)

Note :- Answer any *three* questions out of five (Answer limit **500** words). Each question carries **10** marks.

Section-A

1. (i) What is Program ?
- (ii) What is Flowchart ?

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- (iii) Define about Function.
- (iv) What is Indentation ?
- (v) What is an Editor ?
- (vi) What is an Interpreter ?
- (vii) Define about Sub-program.
- (viii) What is high level language ?
- (ix) What is bug and debug ?
- (x) What do you mean by APIs ?

Section-B

2. What is Flowchart ? Explain its various symbols.

Or

How many ways can an Algorithm represent ?

3. Explain different features of Top-down and Bottom-up Programming Techniques.

Or

Define Iterative logic with an example.

4. Explain the following :

- (i) Linker
- (ii) Assembly language

Or

Write the difference between Machine Language and High Level Language.

5. Compare Interpreter and Compiler.

Or

- (a) User Manual Documentation.
- (b) Advantages of flowcharts

6. Define different types of Programming Errors.

Or

What is Documentation ? Why is it needed ?

Section-C

7. Write different Programming Tools.

8. Discuss some Common Programming Techniques.

9. Describe advantages and disadvantages of different Programming Languages.

10. Explain some popular high level languages.

11. What do you mean by Pseudo Code ? Explain it with an example.