

Roll No. :

Total No. of Questions : 11]

[Total No. of Printed Pages : 3

BC-285

BCA (Part-II) Examination, 2022

JAVA

Paper - BCA-203

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 Literal ?
- (ii) What is Bytecode ?
- (iii) What do you mean by Instance ?
- (iv) What is Final Variable ?

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- (v) What are Wrapper Classes ?
- (vi) What is API ?
- (vii) What do you mean by Exception ?
- (viii) What are Command Line Arguments ?
- (ix) What do you mean by Abstract Window Toolkit ?
- (x) What is Swing ?

Section-B

2. Explain the features of Java.

Or

Explain conditional statements in Java.

3. Write a program to determine factorial value of given no.

Or

Write a program to determine palindrome value of given value.

4. Explain final and abstract class with suitable example.

Or

What is method overloading ? Explain your answer with suitable example.

5. Differentiate final, finally and finalize in Java.

Or

What do you mean by Multithreading ? Explain life-cycle of thread.

6. Design a window working with graphics and colour.

Or

What is Event ? Explain event handling in Java with suitable example.

Section-C

7. What do you mean by Token ? Explain different token in Java.
8. What is an Array ? Differentiate Array and Vectors with suitable example.
9. What do you mean by Interface ? Explain multiple-inheritance with example in Java.
10. Explain the following with example :
 - (a) Exception Handling
 - (b) Thread priority and thread synchronization
11. Explain the following :
 - (a) JFrame
 - (b) JButton
 - (c) JLabel
 - (d) JTextField
 - (e) JCheckBox