

Roll No : .....

Total No. of Questions : 11 ]

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# BC-272

**B.C.A. (Part-III) DUE IInd Year Examination, 2021**

**JAVA**

Paper - BCA-203

Time : 1½ Hours ]

[ Maximum Marks : 70

**Section-A**

**(Marks : 2 × 10 = 20)**

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

(खण्ड-अ)

(अंक : 2 × 10 = 20)

**नोट :-** सभी दस प्रश्नों के उत्तर दीजिए (उत्तर-सीमा **50** शब्द)। प्रत्येक प्रश्न **2** अंक का है।

**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.

(खण्ड-ब)

(अंक : 4 × 5 = 20)

**नोट :-** सभी पाँच प्रश्नों के उत्तर दीजिए। प्रत्येक प्रश्न में विकल्प का चयन कीजिए (उत्तर-सीमा **200** शब्द)। प्रत्येक प्रश्न **4** अंक का है।

**Section-C**

**(Marks : 10 × 3 = 30)**

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

(खण्ड-स)

(अंक : 10 × 3 = 30)

**नोट :-** पाँच में से किन्हीं **तीन** प्रश्नों के उत्तर दीजिए (उत्तर-सीमा **500** शब्द)। प्रत्येक प्रश्न **10** अंक का है।

**BI-580**

( 1 )

**BC-272 P.T.O.**

**Section–A**

2 each

1. Attempt all questions. Answers should not exceed **50** words in each question.
  - (i) What is JVM ?
  - (ii) What do you understand by keywords in Java ?
  - (iii) What is Instance Variable ?
  - (iv) Explain class in Java.
  - (v) What is Abstract Class ?
  - (vi) What do you mean by Final Class ?
  - (vii) Define command line arguments.
  - (viii) Explain errors and expression in Java.
  - (ix) What is AWT Class ?
  - (x) What do you understand by Applet ?

**Section–B**

4 each

**Note** :- Attempt all questions. Answer should not exceed **200** words in each question.

2. Explain Java program structure.

*Or*

Discuss data types and type casting in Java.

3. Explain the constructors.

*Or*

Write down about overloading of constructors and methods.

4. What is Inheritance ? Explain types of Inheritance.

*Or*

Explain method of overriding in Java.

5. Discuss types of errors in Java programming.

*Or*

How to handle exception in Java using try catch finally ?

6. How to Add Applet to HTML file ?

*Or*

How to pass parameters to Applets ?

**Section–C**

10 each

**Note** :– Attempt any *three* questions out of five. Answers should not exceed **500** words in each question.

7. Write down a Java program to find out factorial of given number.
8. Explain arrays and strings in Java.
9. Explain packages and visibility controls.
10. How to create threads and explain life-cycle of threads ?
11. How to add and remove controls and responding to the controls ?