

Roll No. : .....

Total No. of Questions : 11 ]

[ Total No. of Printed Pages : 3

# UGP-297

## B.C.A. (Part-II) 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-1307

( 1 )

UGP-297 P.T.O.

### Section–A

1. Attempt all *ten* questions. Answer should not exceed **50** words in each question.
  - (i) What is Token ?
  - (ii) Explain type casting in Java.
  - (iii) Explain Class.
  - (iv) Explain the role of final method in Java Programming.
  - (v) Explain Interface.
  - (vi) What do you mean by Packages ?
  - (vii) What is Error ?
  - (viii) Explain Runnable Interface.
  - (ix) Explain Applet Tag.
  - (x) Explain the use of Awt Class in Java.

### Section–B

**Note** :- Answer all *five* questions (Answer limit **200** words).

2. Explain Evolution of Java.

*Or*

Describe Java Program Structure.

3. What is Constructor ? Explain with example.

*Or*

Explain static methods in Java using a example.

4. What is Method Overriding ? Explain using example.

*Or*

Explain packages in Java with example.

5. How Thread Synchronization achieved in Java.

*Or*

Explain command line arguments using suitable example.

6. How can we passing parameters to applets explain it.

*Or*

Explain the Frame Class in AWT.

### **Section–C**

**Note** :- Answer any *three* questions out of five (Answer limit **500** words).

7. WAP to check number is palindrome numbers.

8. Explain arrays in Java and write a program to reverse an array.

9. Explain different type of Inheritance in Java.

10. Describe the Life Cycle of Thread.

11. Explain the following with example :

(i) Check Box

(ii) Choice Control

(iii) Lists

(iv) Menus