BC-392

BCA (Part-II) Examination, 2019

BCA-203

(Java)

श्री जैन (पी.जी.) कॉलेज, बीकानेर

Time allowed : Three hours
Maximum Marks : 70

SECTION – A   (Marks : 2 × 10 = 20)

Answer all **ten** questions. (Answer limit 50 words) Each question carries 02 marks.

खण्ड – अ   (अंक : 2 × 10 = 20)

समस्त **दस** प्रश्नों के उत्तर दीजिए । (उत्तर सीमा 50 शब्द) प्रत्येक प्रश्न 02 अंक का है ।

SECTION – B   (Marks : 4 × 5 = 20)

Answer all **five** questions. Each question has internal choice (Answer limit 200 words). Each question carries 04 marks.

खण्ड – ब   (अंक : 4 × 5 = 20)

समस्त **पाँच** प्रश्नों के उत्तर दीजिए । प्रत्येक प्रश्न में विकल्प का चयन करें (उत्तर सीमा 200 शब्द) । प्रत्येक प्रश्न 04 अंक का है ।

SECTION – C   (Marks : 10 × 3 = 30)

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

खण्ड – स   (अंक : 10 × 3 = 30)

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

SECTION – A   (Marks : 2 × 10 = 20)

1.   Attempt **all** questions. Answer should not exceed **50** words in each question.

(i)   Define the Garbage Collection in Java.

(ii)   Explain the JVM.

(iii)   What is Instance Variable ?

(iv)   Explain the Class Variable.

(v)   Explain the Abstract Method in Java.

(vi)   What is the Final Method in Java ?

(vii)   Write down the difference between throw and throws.

(viii)   What is Thread Priority ?

(ix)   Explain the Local and Remote Applet.

(x)   Explain the use of AWT in Java.

P.T.O.

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

2. Write down the difference between C++ and Java.
                    OR
    Explain why Java is platform Independent.

3. What is static method in Java ? Explain with example.
                    OR
    Explain the vector class in Java.

4. Write down the use of super keyword in Java.
                    OR
    Explain the visibility controls in Java.

5. Write down the types of errors.
                    OR
    Explain the thread synchronization.

6. What is the Applet Life cycle ?
                    OR
    Explain the use of colour class in AWT.

SECTION – C   (Marks : 10 × 3 = 30)

Attempt any **three** questions out of **five**. Answer should not exceed **500** words in each question.

7. WAP of Armstrong Number in Java.

8. Explain the constructor and overloading of constructor with example.

9. What is Package ? Write down its types and use with example.

10. What is Multithreading in Java ? Explain the Runable Interface with example.

11. Explain with example in AWT.
    (i)   Label
    (ii) Button
    (iii) CheckBox Group
    (iv) List

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UGP–297

B.C.A. (Part-II) Examination, 2021

JAVA　श्री जैन (पी.जी.) कॉलेज, बीकानेर

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।

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 Pakages ?

   (vii)   What is Error ?

   (viii) Explain Runable 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.

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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

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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 ?

(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.

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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