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Total No. of Sections : 03

Total No. of Printed Pages : 03

**Code No. : C-394**

**Annual Examination - 2019**

**BCA Part - III**

**BCA - 302**

**PROGRAMMING IN JAVA**

**Max.Marks : 100**

**Time : 3 Hrs.**

**Min.Marks : 40**

**Note :** Section 'A', containing 10 very short-answer-type questions, is compulsory. Section 'B' consists of short answer type questions and Section 'C' consists of long answer type questions. Section 'A' has to be solved first.

**Section - 'A'**

**Answer the following very short-answer-type questions in one or two sentences : (2×10=20)**

- Q.1 What is Java Virtual Machine?
- Q.2 What do you understand by Encapsulation in Java?
- Q.3 Define abstract class.
- Q.4 Mention the basic types of Inheritance.
- Q.5 Define the term exception.
- Q.6 What do you meant by thread?
- Q.7 What is byte stream?
- Q.8 Write the full form of URL and JDBC.
- Q.9 What is AWT?
- Q.10 List out any two methods defined by Applet.

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**Section - 'B'**

**Answer the following long answer type questions in word limit 150-200 : (6 5=30)**

Q.1 Explain the introduction of a method inside the class.

**OR**

Explain the concept of do loop in Java.

Q.2 Write short note on the Final class of Java.

**OR**

What is the use of super keyword in Java?

Q.3 Write the use of try and catch block of Java.

**OR**

Explain the creation of thread in brief.

Q.4 Describe the use of lang standard java package with example.

**OR**

Explain TCP/IP client and server sockets.

Q.5 Discuss initialization and termination of Applet.

**OR**

Explain any four components of AWT.

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**Section - 'C'**

**Answer the following long answer type questions in word limit 300-350 : (10x5=50)**

Q.1 Discuss Wrapper class with suitable example.

**OR**

Explain the concept of String Buffer class in Java.

Q.2 Describe the importing of package with example.

**OR**

Explain the implementation of interface in Java.

Q.3 Discuss Java Spread Model.

**OR**

Explain the concept of synchronization.

Q.4 Discuss URL Connection.

**OR**

Explain the connectivity between Java and MS-Access.

Q.5 Discuss the event delegation model.

**OR**

Write a program to create frame window from within an Applet.

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