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Total No. of Pages: 01
Total No. of Questions: 06

BCA (Sem.-5th)
PROGRAMMING IN JAVA
Subject Code: BSBC-502
Paper ID: B1155

Time: 3 Hrs.

Max. Marks:60

INSTRUCTION TO CANDIDATES:-

- 1. Section - A is Compulsory.**
- 2. Attempt any Four questions from Section - B.**

SECTION A

(10x2=20)

- Q1. a) What are the benefits of object Oriented Paradigm?
- b) List all the new concepts introduced in Object Oriented Paradigm.
- c) Differentiate between JAVA and C++.
- d) What are the various looping statements supported in JAVA.
- e) Explain the concept of Finalizer Methods with reference to Classes in JAVA.
- f) Explain the concept of Extending Interfaces.
- g) Define the term System Package. What is their significance?
- h) How applets are different from applications?
- i) Define an error. List its various types.
- j) Write a short note on AWT Package.

SECTION - B

(4x10=40)

- Q2 Write a note on significance of Object Oriented Paradigm. Explain various principles of Object Oriented Programming.
- Q3 Explain the concept of Classes, Objects and Methods in JAVA. Also write a program to explain the concept of Overriding Methods with reference to classes.
- Q4 What is an interface? Explain the implementation of multiple inheritance using interfaces with the help of some program.
- Q5 Define an Exception. How is it related to an error? Create a user defined exception in java.
- Q6 What is the purpose of applet programming in java? Explain the life cycle of an applet in detail.

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