Roll No.

Total No. of Pages: 01
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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 introduces 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 errors. 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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