Roll No. ⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜ **Total No. of Pages : 02**

Total No. of Questions : 07

BCA (Sem.– 5th)

INTRODUCTION TO INTERNET AND JAVA

Subject Code : BC-501 (2007 to 10 Batch)
Paper ID : [B0219]

Time : 3 Hrs. **Max. Marks : 60**

INSTRUCTION TO CANDIDATES :

1. **SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.**
2. **SECTION-B contains SIX questions carrying TEN marks each and students has to attempt any FOUR questions.**

SECTION-A

1. Write briefly :

a. What is Internet Architecture Board (IAB)?

b. Define URL.

c. Describe the use of NNTP.

d. What is JDK?

e. Differentiate between Java and C++.

f. How does Java Applet differ from Java Application?

g. Name and define different data types in Java.

h. What is Web Browser?

i. Define JVM.

j. Name and define different classes of IP Addressing.

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SECTION B

2. Explain different protocols used for managing/using newsgroups on the internet.

3. How does Internet Addressing works? Explain different notations used for Internet Addressing with examples.

4. Explain WWW in detail. How can information be located on the web?

5. How Java can be used to store/retrieve data from a database? Explain, in detail, using example programs.

6. (a) How Garbage Collection is performed in Java?

   (b) Discuss the use of finalize in Java.

7. Explain Polymorphism in Java. How it is implemented? Write example programs for the same.

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