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

Total No. of Questions : 07

BCA (Sem.– 5th) (2007 to 2010 Batch)
INTRODUCTION TO INTERNET AND JAVA
Subject Code : BC-501
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

l. **Answer briefly :**

(a) What is role of an Internet Architecture Board in Internet?

(b) What is WWW? List its advantages and disadvantages.

(c) What is role of browser? Explain.

(d) What are SMTP and POP?

(e) What is garbage collection in Java?

(f) What is JDK? Explain.

(g) Explain the role of net news in an internet.

(h) What is constructor? List various characteristics of a constructor.

(i) What are various access modifiers in Java? Explain.

(j) What is role of applet in Java?

SECTION-B

2. What is an Internet? Who owns it? Discuss various applications of an Internet.

3. Write short notes on the following :-

   (a) Internet Routing Protocols

   (b) Internet Group Management Protocol

4. What is an Email? Discuss various advantages and disadvantages of an Email over traditional mail.

5. What are various threats in an Internet? Discuss how security is maintained over an internet.

6. What is Java? Discuss various features of Java. Explain how Java is different from C++?

7. Explain the followings :

   (a) Data Types in Java

   (b) Object Oriented Features of Java