Roll No. ....

Total No. of Questions : 13]   [Total No. of Pages : 02

Paper ID [A0221]

(Please fill this Paper ID in OMR Sheet)

BCA (501) (Old) (Sem. - 5ᵗʰ)

INTERNET APPLICATIONS AND JAVA

Time : 03 Hours   **Maximum Marks : 75**

Instruction to Candidates:

1) Section - A is **Compulsory**.

2) Attempt any **Nine** questions from Section - B.

Section - A

Q1)   *(15 × 2 = 30)*

a) Differentiate between the terms Internet and Intranet.

b) List two popular search engines.

c) What is a web browser?

d) What all components are required to use dial-up network?

e) What is the significance of net news?

f) Why is it said that Java is platform independent?

g) What is the role of "finalise" in Java?

h) Differentiate between applet and application.

i) Is array index out of bounds allowed in Java? Justify your answer.

j) What are the advantages of inheritance?

k) What are three responsibilities of event listeners?

l) How are events enabled?

m) What is a port?

n) How is a database created?

o) Differentiate between "throw" and "throws" in Java.

Section - B

(9 × 5 = 45)

Q2) Discuss in detail Internet Architecture board.

Q3) Explain in detail Internet protocols.

Q4) Explain World Wide Web advantages of web.

Q5) Discuss security issues in Internet.

Q6) Explain differences between Java and C++.

Q7) Write a program to find out the number entered by the user is a palindrome or not.

Q8) Explain the concept of constructor overloading with the help of example.

Q9) Discuss various built-in data types available in Java.

Q10) Discuss an example which uses multiple catch blocks for a try block.

Q11) How can database connectivity be done in Java? Explain the steps involved.

Q12) Write short notes on any one of the following:-
    (a) Network Programming in Java.
    (b) JVM.

Q13) Explain in detail event delegation model.

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