Roll No. ....

Total No. of Questions : 07]   [Total No. of Pages : 02

Paper ID [B0219]

(Please fill this Paper ID in OMR Sheet)

BCA (Sem. - 5ᵗʰ)
INTERNET APPLICATIONS & JAVA (BC - 501)

Time : 03 Hours   Maximum Marks : 60

Instruction to Candidates:

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

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

Section - A

Q1)   (10 × 2 = 20)

    a)   What is an internet?

    b)   What is WWW?

    c)   What is a web browser?

    d)   What is an IP address?

    e)   What is finally block in Java?

    f)   How many finally blocks can be associated with a try block?

    g)   Explain what happens if private is applied to a method in a class.

    h)   Is every Java program platform independent? Justify your answer.

    i)   Write the output of the following statements where int a = –8, b = 4;
        (i)   ++b < < 1   (ii) a > > 2

    j)   What are final variable, final method and final class?

Section - B

(4 × 10 = 40)

Q2) Write a program in Java to perform the addition of two complex numbers.

Q3) Write a program in Java that asks the user to choose "circle" or "rectangle". On choosing "circle" she has to enter its radius. If "rectangle" is chosen, she is prompted to input the lengths of its sides. Use an overloaded method to calculate the area and output the value on the screen.

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Q4) Write a program that prompts the user to enter an integer divisor and an integer dividend. The program should output the quotient and the remainder. Catch any arithmetic exception and output the suitable message.

Q5) Define a constructor. Is it possible, to overload a constructor? Justify your answer using an example.

Q6) How Java is different from C++. Explain with example.

Q7) What are the various applications of internet.

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