Roll No. ....

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

J-3719[S-1575]   **[2037]**

BCA (Semester - 5ᵗʰ)

INTERNET APPLICATIONS AND JAVA (BCA - 501)

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 x 2 = 30)*

   a)   List the important usage of internet.

   b)   What do you mean by surfing?

   c)   What is URL?

   d)   Justify the statement "Internet is a decentralized network of million of computers".

   e)   What is the importance of E-mail?

   f)   What is a token? List the various types of tokens supported by Java.

   g)   What is the usefulness of an empty statement?

   h)   What is the major difference between an interface and a class?

   i)   How does Java handle strings?

   j)   What is a thread?

   k)   What is an exception?

   l)   How do we define a catch block?

   m)   Is it essential to catch all types of exceptions?

   n)   What is an applet?

   o)   Describe the various sections of a web page.

                                                                          P.T.O.

Section - B

(9 x *5 = 45)*

Q2) Who governs internet? List various societies who are responsible for laying the guideline for internet users.

Q3) What is internet address? Explain the process of allocation of internet addresses.

Q4) Explain the various services that are available on the internet.

Q5) What is web browser? How do you locate information on the web?

Q6) What is a statement? How do the Java statements differ from those of C and C++?

Q7) Describe the various forms of implementing interfaces. Give examples of Java code for each case.

Q8) Write a program in Java, which will read a text and count all occurrences of a particular character.

Q9) Describe with a flow chart, how various Java tools are used in the application development.

Q10) Discuss the steps involved in developing and running a local applet.

Q11) Explain how exception handling mechanism can be used for debugging a program.

Q12) Discuss the concept of Java virtual machines.

Q13) Describe the complete life cycle of a thread.

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