

Roll No. ....

Total No. of Questions : 13]

[Total No. of Pages : 02

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

**[2037]**

**BCA (Semester - 5<sup>th</sup>)**

**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.

