

53803

Seat No. _____

Third Year B. C. A. (Theory) Examination

April / May – 2003

Internet Technologies (BCA - 303)

Time : Hours]

[Total Marks : 50

1 Attempt any **ten** : **10**

- (1) What is the use of Javah ?
- (2) What is Method Overloading ?
- (3) What is the use of finalizer ?
- (4) Explain 'Super' Keyword.
- (5) What are Wrapper Classes ?
- (6) Explain the Java.Util.Date class.
- (7) The name of a Java program file must match the name of class with the extension. Java. (True / False).
- (8) The break statement is required in the default case of Switch Selection Structure (True / False)
- (9) When Present, package must be the first non-comment statement in the file. (True / False).
- (10) A method declared as stalic can not access non-static class members. (True / False)
- (11) Throwing an exception always causes program termination. (True / False).
- (12) Any method in a super class can be overridden in its subclass.

2 Answer the following : (any **five**) **10**

- (1) Why Java is known as platform independent ?
- (2) Differentiate between Java and C.
- (3) Explain type conversion and type casting.
- (4) When do we declare a method or class as final ?
- (5) How can we set priority of a thread ?
- (6) Differentiate between string and stringbuffer class.
- (7) What is Stream ? Explain Filtered stream.

- 3** (a) Answer the following : (any **two**) **6**
- (1) Discuss Java Environment (API & JDK)
 - (2) Explain life cycle of thread with diagram.
 - (3) What is package ? Explain how do we add a class or an interface in a package.
- (b) Differentiate the following : (any **two**) **4**
- (1) Interface and abstract class.
 - (2) Instance variable and class variable.
 - (3) Applet and Application.
- 4** (a) List any four inbuilt exceptions. Also explain how can you throw your own exception. **5**
- OR**
- (a) Explain Life cycle of an Applet. **5**
(with diagrams)
- 4** (b) What is E - Commerce ? Explain B2B, B2C and C2C business Models. **5**
- OR**
- (b) List out any six ASP objects. Explain any two objects of them. **5**
- 5** Attempt any **two** : **10**
- (1) Write a program that counts number of words, and lines in the file. Take the file name as a command line arguments.
 - (2) Write a code for an applet that let the user enter two numbers from the two text fields. When user press a button, with the caption "Multiply" it displays Multiplication in third text field.
 - (3) Write a program that accepts five numbers from the commandline arguments and store them in a vector. Also write methods for :
 - (1) To delete an element
 - (2) To add an element at a Specified Location
 - (3) To add an element at the end.
 - (4) To Print the contents of the vector.