END TERM EXAMINATION ⑥

FOURTH SEMESTER [BCA] MAY-JUNE 2012

Paper Code: BCA206	**Subject: Java Programming & Website Design**

Time : 3 Hours   **Maximum Marks :75**

Note: Q.no.1 is compulsory. Attempt one question from each unit.

Q1   Explain **any ten** of the following briefly:-   **(2.5x10=25)**
   (a) What is Java Virtual Machine?
   (b) Java does not support multiple inheritances. Comment.
   (c) Distinguish between final, finally and finalize.
   (d) Explain memory management in JAVA.
   (e) Difference between Application and Applet.
   (f) How is JDBC different from ODBC?
   (g) Image Maps in HTML.
   (h) Special characters in HTML.
   (i) Thread Priorities.
   (j) Packages in Java.
   (k) Distinguish between equals() and = =.
   (l) Datagram Sockets.

UNIT-I

Q2   (a) Explain the keyword static.   **(3)**
   (b) Differentiate between throw, throws and throwable.   **(4)**
   (c) Write a JAVA program to accept 2 numbers from the command line and divide the first number by the second number. Display appropriate error message if any. **(5.5)**

Q3   (a) Distinguish between Vectors and Arrays.   **(3)**
   (b) Explain the life cycle of Threads.   **(4)**
   (c) Write a Java program to create two threads. The first thread should display first 5 even numbers while the second thread should display first 5 odd numbers. **(5.5)**

UNIT-II

Q4   (a) How are elements of different layouts organized in JAVA?   **(6)**
   (b) Create an Applet which accepts the message as a parameter and scrolls the message. **(6.5)**

Q5   (a) Distinguish between String and Stringbuffer.   **(3)**
   (b) Write a JAVA program to do the following:-   **(4)**
      (i) To convert the string into uppercase.
      (ii) Reverse the string.
   (c) What is meant by controls and what are the different types of control in AWT? **(5.5)**

UNIT-III

Q6   (a) Write short notes on the ~~following~~ Drivers in Java.   **(6)**
   (b) Explain the Even Delegation Model.   **(6.5)**

Q7   (a) What is Event Listener?   **(6)**
   (b) Create an applet and show the working of the mouse.   **(6.5)**

UNIT-IV

Q8   (a) Explain the following HTML tags:-   **(6)**
      (i) <FRAME>   (ii) <META>
   (b) Create the table as shown below using HTML: **(6.5)**

1	2
3	4
	5
6	

Q9   (a) Explain links in HTML. How do we create links within a document? **(6)**
   (b) Create a form in HTML which contains the following:-   **(6.5)**
   TextArea, Radio Button, Check box, Select, Submit and Clear

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