(Please write your Exam Roll No.)

Exam Roll No. ....

END TERM EXAMINATION

FOURTH SEMESTER [BCA] APRIL-MAY 2019

Paper Code: BCA-206   Subject: *Java Programming*

Time: 3 Hours   Maximum Marks :75

Note: Attempt any five questions including Q.no.1 which is compulsory.

(5x5=25)

Q1   Answer **any five** the following:-
      (a)   Discuss all the three usages of final keyword?
      (b)   How can we pass parameters to an applet?
      (c)   What is the difference between int and Integer?
      (d)   Differentiate between adapter and inner classes.
      (e)   What is DriverManager class in JDBC?
      (f)   What is the use of this and super keyword?
      (g)   What do you mean by Daemon thread? How can you set priority of a thread?

Q2   (a)   How is method overloading different from method overriding? Explain with the help of suitable code.   (6)
      (b)   What is a constructor? Does Java provide default constructor? Does Java provide a default copy constructor? Explain your answer with suitable example. (6.5)

Q3   (a)   What is inheritance? Explain different types of inheritance in Java with suitable diagram and small segment of codes.   (6.5)
      (b)   What are cookies? Are they good or bad? Justify.   (6)

Q4   (a)   Explain the life cycle of a thread. Discuss the process of thread synchronization with the help of appropriate code.   (6)
      (b)   Explain any 5 String class methods in detail.   (6.5)

Q5   (a)   Differentiate between checked and unchecked exceptions. Write a program to demonstrate the concept of user defined exceptions.   (7.5)
      (b)   Write a program to copy contents of one file to another.   (5)

Q6   (a)   What is delegation event model? Write program to explain keyboard event handling.   (7.5)
      (b)   Differentiate between swing and AWT.   (5)

Q7   (a)   Write a program to change background color of applet using three scrollbars representing red, green and blue?   (7.5)
      (b)   Write short notes on InetAddress class and its factory methods.   (5)

Q8   (a)   What is JDBC? Explain all JDBC drivers in detail.   (7.5)
      (b)   Write a servlet to display current date and time.   (5)

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