KG-5426 Seat No._____

B. C. A. (Sem. V) Examination

November / December – 2014

BCA - 501 : Java Programming

Time : **3** Hours] [Total Marks : **70**

1 (a) Attempt the following : **6**

    (1) What is keyword ?

    (2) Byte code

    (3) Machine code

    (4) Super keyword

    (5) JDK

    (6) Dynamic Binding

  (b) Explain following : (any three) **12**

    (1) Explain basic concept of object oriented programming.

    (2) Explain JDK and its component in detail.

    (3) Explain Basic structure of JAVA Programming.

    (4) Explain type conversion and type casting in JAVA.

2 (a) Define the following. **5**

    (1) Default constructor

(2) Abstract method

(3) Single inheritance

(4) List out access modifiers

(5) Abstract class

(b) Explain following : (any three) **12**

(1) Explain method overloading with suitable example.

(2) Write JAVA Program to show parameterized constructor overloading.

(3) Explain final variable, final method and final class with example.

(4) Explain method overriding with example.

3 (a) Explain following. **6**

(1) Implements

(2) List out stack class method.

(3) Runnable is an interface class (True/False)

(4) Different between : ARRAY and VECTOR.

(5) Multitasking.

(6) Wait() method.

(b) Attempt following. (any three) **12**

(1) What is multithreading ? Explain life cycle of thread.

(2) What is interface ? How to implement interface in JAVA.

(3) What is package ? Explain JAVA API package in detail.

(4) Explain thread priorities with example.

4 (a) Explain following.   **5**

    (1) Applet program is running using _____.

    (2) _____ tag is used for passing parameter to an applet.

    (3) Define Try and catch Block.

    (4) Finally

    (5) What is use of paint() method.

(b) Attempt following : (any three) 3   **12**

    (1) What is Applet ? Explain Applet Life Cycle in detail.

    (2) What is Exception ? Explain Exception Handling.

    (3) Explain Graphic class method in detail.

    (4) Explain Nested Try and Multiple Catch Block with example.

_____