K-651   Seat No. 849

B. C. A. (Sem. V) Examination
October / November - 2017
BCA - 501 : Java Programming

Time : Hours]   [Total Marks : 70

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

  (1) Define full form : JDK, JRE, JVM.

  (2) A _____ method is automatically called when an object is created.

  (3) Dynamic Binding

  (4) Object and Class

  (5) 'Super' is a keyword in java. (True/False)

  (6) Define : Byte Code and Machine Code.

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

  (1) Explain Basic concept of Object Oriented Programming.

  (2) Explain JDK and its components.

  (3) What is Operator? Explain any one operator in details.

  (4) Explain Basic Structure of Java.

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

  (1) Default constructor

  (2) Define : Inheritance

  (3) Define: Method Overloading

  (4) List of Access modifiers

  (5) Define : Abstract Class

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

    (1) Write JAVA program to show parameterized constructor overloading.

    (2) What is nesting of Method? Explain with suitable example.

    (3) Explain Final Method and Final class with suitable example.

    (4) Explain Vector class and its important methods.

3 (a) Explain following :   6

    (1) Runnable is an interface class. (True/False)

    (2) Different between : ARRAY and VECTOR.

    (3) List out java API.

    (4) Thread class is extends from _____ package.

    (5) Define: Garbage, Multitasking.

    (6) implements.

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

    (1) What is interface? How to implement interface in java.

    (2) What is Package? Explain Java API package in details.

    (3) Describe any five functions from java.lang.string.

    (4) Write a short note on "Life cycle of Thread" .

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

    (1) What is Applet'? Types of Applet.

    (2) Applet program is running using _____.

    (3) _____ tag is use for passing parameter, to an Applet.

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

    (5) Define drawline( ) method of graphics class.

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

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

    (2) Explain Graphic class method in detail.

    (3) What is Exception ? Explain type of Exception.

    (4) Write an example of user define exception in java.

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