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

November/December – 2015

501 : Java Programming

Time : 3 Hours]   [Total Marks : 70

1   (a)   Answer the following questions.   **4**

  1.   Define the Full Forms: JDK, JRE, JVM.

  2.   Which class is the superclass of every class?

  3.   List out any use of final keyword

  4.   Draw a diagram of "Java Program Structure".

  (b)   Answer the following questions. (Any TWO)   **14**

  1.   What is operator? Explain any three operators with example.

  2.   How iteration statement works in java? Explain.

  3.   How to create an array in Java? Describe.

2   (a)   Answer the following questions.   **3**

  1.   Define: Abstract Class.

  2.   What is the purpose of default constructor?

  3.   Write a structure of Static Method.

(b) Answer the following questions. (Any TWO)   **14**

1. How default constructor differs from parameterized constructor? Explain.

2. Implementation of Abstract class with methods.

3. Elaborate on Visibility Controls.

3 (a) Answer the following questions.   **4**

1. What is Market Interface?

2. Give a reason to use to String( ) method in java.

3. Define: Garbage Collections.

4. Write syntax of Interface.

(b) Answer the following questions. (Any TWO)   **14**

1. Describe any five functions from java. lang. String.

2. Write a short note on "Life Cycle of Thread".

3. What is package? How to create own package? Explain.

4 (a) Answer the following questions.   **3**

1. Difference between throw and throws.

2. List out methods to run applet.

3. Draw a diagram of "Applet Life Cycle".

(b) Answer the following questions. (Any TWO)   **14**

1. What is Exception? Explain types of exceptions.

2. Write an example of multiple catch with try.

3. How to use Graphics class in java? Explain.