

Q U E S T I O N – B A N K
BCA SIX SEMESTER - 2014
JAVA PROGRAMMING – 605

U N I T – I

- Q. 1 : What is Java? Explain the Feature of Java?
Q. 2 : What is JVM? Explain the Working of JVM?
Q. 3 : Explain different Data Type used in Java?
Q. 4 : Explain Constants and variable used in Java?
Q. 5 : How is Java Strongly Associated with Internet?
Q. 6 : Explain the following terms :-
(A) Garbage Collector
(B) Element of Java
(C) Byte Code
(D) C++ V/s Java
Q. 7 : Write a Java Program to find the sum of the series $1! + 2! + 3! + \dots$ for term in the series?
Q. 8 : Write a Program to find the sum of all Old Number in an Array Integer?
Q. 9 : Write a Program that calculate the area and circumference C of a circle $a = \text{pxr}^2$,
 $c = 2\text{pxr}$

Q.10: Write a Program the read n Integer from the Keyboard and calculate their sum?
Q.11: Write a Program to find the sum of Digit of Enter Number?
Q.12: Write a Program to accept a list of word at command line and print how many word will enter by used?

U N I T – II

- Q. 1 : What is Class? What is the difference between Class and object?
Q. 2 : How in Heritance is achieved in java. Illustrate with one example?
Q. 3 : Write a program in java for method overloading?
Q. 4 : What do you mean by Abstract Methods and Classes in Java? Explain through example?
Q. 5 : Describe Overriding in Java with example?
Q. 6 : When do we declare a method or classes abstract given an example?
Q. 7 : How do we invoke a constructor? Explain with an example?
Q. 8 : Discuss the different level of access protection available in Java?
Q. 9 : Write short note on Static member of class?
Q.10: Write a Java Program to count how many object of a class have been created?
Q.11: Explain the concept of final variable and methods? Explain it with suitable example?
Q.12: Write a Program to find the x to the power y use overloading different cases when x and y are combination of integer and flow?

U N I T – III

- Q. 1 : What is Interface? Discuss its properties and uses?
Q. 2 : What is Package? Discuss System Package?
Q. 3 : Explain Wrapper Classes with example?
Q. 4 : How do we add a class or an interface to a package?
Q. 5 : Write a program which will read a tend and cannot all occurrence of a particular word?
Q. 6 : What is a Vector? How is it differencing from an Array? Explain with example?
Q. 7 : What is Static Import? How is it used full explain?
Q. 8 : Write a program which will read a strong and rewrite it in the alphabetical order for example strong should be written as GINRST?

UNIT – IV

- Q. 1 : How a new thread can be created? Explain Thread Class constructors?
- Q. 2 : Discuss Inter thread Communication with suitable program?
- Q. 3 : What is Thread? Discuss its life Cycle with pictorial representation?
- Q. 4 : Describe Thread and its Utility in Java?
- Q. 5 : Explain Thread Life Cycle in Java?
- Q. 6 : Describe Thread Inception?
- Q. 7 : How we intend the thread class. Explain implementing the Runnable interface?
- Q. 8 : What is Synchronization? When do we use its?
- Q. 9 : What is Multithreading? How does it improve the performance of Java?
- Q.10: What do you understand by Inter thread communication?
- Q.11: How a new thread can be created explain thread class constructor?
- Q.12: Discuss thread priority with suitable examples?
- Q.13: Briefly explain high level thread static?

UNIT – V

- Q. 1 : Explain Applet Tag with attributes of this Tag?
- Q. 2 : Develop an Applet that receives three numeric values as input from the uses and then display the largest of the three on the screen? Write a HTML page and test the Applet?
- Q. 3 : Describe the different Stages in the Life Cycle of an Applet? Distinguish between init () and Start () Methods?
- Q. 4 : Describe Passing Parameter to Applets with suitable examples?
- Q. 5 : Describe the Life Cycle of Applet?
- Q. 6 : Write Tages :-
 - (A) Applet Tag
 - (B) Aligning the Display
 - (C) HTML Tags and Applet
 - (D) Applet Application
- Q. 7 : Design an Applet to display different Shapes?
- Q. 8 : Define Native Classes? Different between Applet and Java Application?
- Q. 9 : Write short note on (Any four) :-
 - (A) Applet and it Application
 - (B) Life Cycle of an Applet
 - (C) Different between C++ and Java