(4)   MT-206

SECTION - 'C'

Long Answer Type Questions   9×5=45

7. What is java ? What are the features of Java and how Java works ?

OR

Explain various types of operators in Java.

8. Write the difference between for loop and while loop with example.

OR

Write a program to display grade of the student according to the marks obtained by the student using switch-case statement.

9. Explain the concept of classes, objects and methods in java.

OR

Write about naming convention in java.

10. How interface can be used to support multiple inheritance. Develop a Java program for the example.

OR

What do you understand by multithreading ? What are advantages of multithreading explain with example.

11. Write stages of Applet life cycle and also draw diagram.

OR

How do applets differ from application programs.

P.T.O.

Total No. of Questions : 11   Total No. of Printed Pages : 4

MT-206

B.C.A. VIᵗʰ Semester Examination, 2015

Java

Paper - IV

Time : 3 Hours]   [Maximum Marks : 85

Note :- Attempt all questions.

SECTION - 'A'

Objective Type Questions   1×15=15

1. Fill in the blanks :-

    (i)   Float data type occupies _____ byte in memory.

    (ii)   _____ types can take only two values that is true or false.

    (iii)   * (multiply) and / (divide) operator have _____ priority than + (plus) and (−) minus operators.

    (iv)   Java has a built in multiway decision statement known as _____.

(v) Do-While loop is an _____ controlled loop.

(vi) When the _____ statement is encountered inside a loop, the loop is immediately exited and the program continues with statements.

(vii) In Java, the functions are called _____.

(viii) In java file name should be same as _____ name.

(ix) An _____ in java is essentially a block of memory that contains space to store all the instance variable.

(x) In _____ mode methods can be callable only form the class and its derived class.

(xi) In java _____ is an alternative approach to support multiple inheritance.

(xii) _____ are Java's way of grouping a variety of classes and/or interfaces together.

(xiii) An exception is a condition that is caused by a _____ error.

(xiv) The _____ method is heart & soul of any thread.

(xv) We can download an applet from remote computer system and insert it into webpages is called _____ applet

SECTION - 'B'

Short Answer Type Questions   5×5=25

2. Explain various primitive data types used in Java.

OR

Explain arithmetic operator with their precedance.

3. In what ways does switch statement differ from an if statement ?

OR

Write an program that computer and prints a table of factorial for any given number m.

4. How objects are created in Java ?

OR

Write about the constructor in java with example.

5. How super keyword is used in java.

OR

What do you understand by exception handling in java.

6. Write the difference between local and remote applet.

OR

How can we pass parameter to an applet.

P.T.O.