WINTER-2018

UNIT 1

Q.1 a) Why Java is known as platform independent language? **(6)**

b) Write a program to find largest among three numbers.

(7)

Q.2 a) Explain steps for executing a Java program. **(6)**

b) Describe various data types supported in Java with example. **(7)**

UNIT 2

Q.3 a) What is the purpose of 'this' keyword? Explain with example. **(7)**

b) What is constructor? Explain with example. **(6)**

Q.4 a) How to declare two dimensional array? Explain how to initialize it. **(6)**

b) Write a class student having data members name, Roll No. and branch of a student. Also declare the two methods i.e. getdata( ) and display( ) for taking the input and display the same. Write a Java code for display the information of a single student. **(7)**

UNIT 3

Q.5 a) Explain the difference between abstract class and abstract method. **(6)**

b) Explain the following with syntax.

i. Length, **ii.** Concat( ), **iii.** Substring( ), **iv.** Indexoff( ) **(8)**

Q.6 a) What is package? Explain the procedure for creating user defined package. **(7)**

b) Explain multilevel inheritance with example. **(7)**

UNIT 4

Q.7 a) List out various methods associated with file objects with example. **(6)**

b) Write a Java program to read characters stream using File reader. **(7)**

Q.8 a) Explain checked and unchecked Exceptions. List out them. **(7)**

b) Write a Java program to write bytes to a file using file output stream. **(6)**

UNIT 5

Q.9 a) Explain the difference between applet and application program. **(8)**

b) What are the different parameter of applet tag. **(6)**

Q.10 a) Write an applet program to draw rectangle using draw Line( ) method and display the string 'welcome' inside the rectangle. **(8)**

b) Explain applet life cycle in detail. **(6)**

UNIT 6

Q.11 a) Explain delegation event model with example. **(7)**

b) Explain procedure for creating Menu bar, Menuitem and Menus. **(6)**

Q.12) Write an applet to implement all the methods of mouse listener and mouse motion listener. **(13)**