

2. Answer any eight from the following questions

2×8 = 16

- (a) What are the basic types of Java Programs? Briefly explain.
- (b) Java is platform independent and portable. Briefly explain.
- (c) What is the general structure of a Java program?
- (d) What is a Java virtual machine?
- (e) What is the benefit of a constructor?
- (f) What do you mean by final class in Java?
- (g) Differentiate between Java application and applet.
- (h) What are the different categories of datatypes available in Java?
- (i) What is synchronization ?
- (j) List any two differences between applets and stand alone application.

3. Answer the following questions

5×4 = 20

- (a) What is an exception? Explain briefly about any two types of code block which are used for exception handling?
- (b) What is stream in Java? How Java represents a file? How files and streams work in Java?
- (c) What is an Java applets? Why applets are used extensively now-a-days? Write the general syntax of an HTML document which embeds a Java applet.
- (d) What is an event? Give some examples of events generated by AWT application. Write the syntax for creating the following AWT components :
 - (i) Button
 - (ii) Check box
 - (iii) Text Field

4. Answer any one from the following questions

8×1 = 8

- (a) How a relational database system is invoked using Java? Briefly explain. What is data source? Mention its utilities.
- (b) Write a Java program which includes different types of data manipulating statements such as UPDATE, INSERT and DELETE.