

- f. Which is the valid declarations within an interface definition?
(A) static void methoda(double d1);
(B) public final double methoda();
(C) public double methoda();
(D) protected void methoda(double d1);
- g. Which method must be defined by a class implementing the java.lang.Runnable interface?
(A) void run() (B) public void start()
(C) void run(int priority) (D) public void run()
- h. Break statement can be used
(A) to exit a loop
(B) as a “civilized” form of goto
(C) for terminating a statement sequence in a switch statement
(D) All of these
- i. The Java Compiler product generates _____, an *architecture neutral* intermediate format designed to transport code efficiently to multiple hardware and software.
(A) interpreter (B) byte-code
(C) literal (D) package
- j. Java runs on _____
(A) Mac (B) Windows
(C) Unix/Linux (D) All of these

PART A (Java)

Answer any THREE Questions. Each question carries 16 marks.

- Q.2** a. “One object in Java can be assigned as reference to another object of the same type.” To explain this concept write a complete Java program and explain how a reference object works. (8)
- b. List and Explain java buzz words. (8)
- Q.3** a. What is overloading method? Is return type alone is sufficient for overloading method? (8)
- b. Differentiate between call by value and call by reference with the help of suitable example. (8)
- Q.4** a. Create a try block that is likely to generate exception at three different places. Provide the necessary catch blocks to catch and handle those exceptions. (8)
- b. What is synchronization? When should Synchronization be used in Java? What are the three ways to define synchronized blocks? (8)

- Q.5** a. Discuss the classification of byte stream in Java. (5)
- b. Is it possible to concatenate strings with other types of data? Illustrate using examples. (5)
- c. Explain the construct of a simple “Hello world” applet. Also explain how to display an applet using html tags. (6)
- Q.6** a. Bring out the differences between AWT & Swings. (4)
- b. Discuss the various Layouts used in AWT. (4)
- c. Write a program to create a frame with width 300 and height 200 using swings. (8)

PART B (Web Programming)

Answer any TWO Questions. Each question carries 16 marks.

- Q.7** a. What are the various list styles and presentation styles in XHTML? Explain it with suitable example. (8)
- b. Explain the core attributes of XHTML with examples. (8)
- Q.8** a. Define design. What are the various aspects of good Designing? (6)
- b. With the help of example discuss the different formatting attributes available for table? (6)
- c. What are Server-Side Includes? What can be done using them? Give examples. (4)
- Q.9** a. How Cascading Style Sheets are useful in Web Page designing? (4)
- b. Write a function in java script that validates if the content has the general syntax of an email. (6)
- c. Explain how JavaScript are embedded in a Web page? (6)