

D 30711

(Pages 3)

Name.....

Reg. No.....

FIFTH SEMESTER B.Sc. DEGREE EXAMINATION, OCTOBER 2012

(CCSS)

Computer Science

CS 5B 09—PROGRAMING IN JAVA

Time : Three Hours

Maximum : 30 Weightage

Section A

Answer all questions.

Each question carries $\frac{1}{4}$ weightage.

1. Java is a :
 - (a) Platform-independent language.
 - (b) Object-oriented language.
 - (c) Internet-oriented language.
 - (d) (a), (b) and (c) are true.
2. In the case of the Java *while* structure :
 - (a) Condition is checked at the bottom of the loop.
 - (b) Condition is checked at the top of the loop.
 - (c) Condition is checked at the top and bottom of the loop.
 - (d) No condition is checked.
3. Which one of the following statements regarding the 'copy constructor' is not correct ?
 - (a) Copy constructor can have only one argument.
 - (b) Copy constructor is optional.
 - (c) The copy constructor concept does not involve the constructor overloading concept.
 - (d) The argument of a copy constructor should be an object.
4. The overloaded constructors in a class will have :
 - (a) Different names.
 - (b) Different parameter lists.
 - (c) Different return types.
 - (d) None of these.
5. Which one of the following statements regarding applets is correct ?
 - (a) The *init()* and *destroy ()* methods will be executed once.
 - (b) The *start()* and *stop()* methods may get executed many times.
 - (c) The *repaint()* method will invoke the *paint()* method.
 - (d) (a), (b) and (c) are correct.

6. Find the odd man out.
- (a) Java. (b) Servlet.
(c) JSP. (d) HTML.
7. Which of the following is not related to RMI ?
- (a) Stub. (b) Skeleton.
(c) Factory class. (d) Stored procedure.
8. Which of the following is related to Enterprise Java Beans ?
- (a) AWT. (b) Swing.
(c) Transaction management. (d) Thread.
9. Which of the following is related to servlet ?
- (a) Cookies. (b) Session tracking.
(c) SSI. (d) All of them.
10. Which of the following is not related to JDBC ?
- (a) Callable statement. (b) Metadata.
(c) Resultset. (d) Swing.
11. JVM stands.
- (a) Java Virtual Machine. (b) Java visual Machine.
(c) Java Virtual Method. (d) Java Visual Manipulation.
12. Which of the following is true ?
- (a) A two dimensional array is internally stored as a one-dimensional array.
(b) The range of an array index is checked in Java.
(c) More than *two* dimensions are allowed in Java.
(d) (a), (b) and (c) are true.

(12 × ¼ = 3 wei

Section B

*Answer all questions.
Each question carries 1 weightage.*

13. Define Polymorphism.
14. Give the syntax of switch statement in Java.
15. Write the use of Cookies.
16. Discuss the paint function in an applet.

17. Explain the role of skeleton in RMI.
18. Define Beans.
19. List the different JDBC drivers.
20. What is Servlet ?
21. Define CLASSPATH.

(9 × 1 = 9 weightage)

Section C

*Answer any five questions.
Each question carries 2 weightage.*

22. Name any four control statements in Java.
23. Discuss any three features of OOP.
24. Distinguish between Applet and Servlet.
25. Explain the Architecture of JDBC.
26. Define packages. Give an example.
27. Write a note on Java Swing.
28. Distinguish between stateless and stateful session beans.

(5 × 2 = 10 weightage)

Section D

*Answer any two questions.
Each question carries 4 weightage.*

29. Write a Java program using applet that receives two integers in two text fields and displays the quotient and the remainder in two other fields when the button with caption "/" is pressed.
30. Explain the methods used to create Icons and Labels in Java Swing.
31. Discuss the different types of statements supported by JDBC.

(2 × 4 = 8 weightage)