

FIFTH SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2011

(CCSS)

Computer Science—Core

CS5B09—PROGRAMMING IN JAVA

e : Three Hours

Maximum Weightage : 30

Section A*Answer all questions.**Each question carries ¼ 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. Which one of the following is not a token ?
 - (a) keyword.
 - (b) identifier.
 - (c) method.
 - (d) literal.
3. The 'break' statement in Java is :
 - (a) Transfers the control to the top of the loop.
 - (b) Transfers the control to the bottom of the loop.
 - (c) Transfers the control to a specified statement of the loop.
 - (d) Does not transfer the control at all.
4. Which one of the following statements regarding the 'copy' constructor' is not correct ?
 - (a) A copy constructor can have only one argument.
 - (b) A 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.
5. Which one of the following statement regarding an interface is not correct ?
 - (a) Method declarations are provided inside a class.
 - (b) Method declared in an interface are implemented in a class.
 - (c) More than one interface can be implemented by a class.
 - (d) Method definitions can also be placed inside a class.

6. Which one of the following statements regarding applet's life cycle is correct ?
- The execution of an applet starts with the *init ()* method.
 - The *start ()* method is executed after the *init ()* method.
 - The code for drawing an oval should be placed inside the *paint ()* method.
 - (a), (b) and (c) are correct.
7. AWT stands for :
- Advanced Window Toolkit.
 - Abstract Window Toolkit.
 - Adaptable Window Toolkit.
 - None of these.
8. Find the odd man out :
- Java.
 - Servlet.
 - JSP.
 - HTML.
9. Which of the following is not related to JDBC ?
- Callable statement.
 - Metadata.
 - ResultSet.
 - Swing.
10. RMI stands for :
- Remote Method Invocation.
 - Result Method Invocation.
 - Remove Multiple Invocation.
 - Resource Multiple Invocation.
11. Which of the following is related to Enterprise Java Beans ?
- AWT.
 - Swing.
 - Transaction Management.
 - Thread.
12. A servlet is :
- A simple Java Program.
 - A simple Java Script program.
 - A python program.
 - None of these.

(12 × ¼ = 3 wei

Section B

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

- What is Byte Code ?
- What is Super class in Java ?
- Give the syntax of *for* loop in Java.

16. What is J Applet class ?
17. Define Cookies.
18. What do you mean by session tracking ?
19. What is EJB container ?
20. How applets are executed in Java ?
21. What is CLASSPATH ?

(9 × 1 = 9 weightage)

Section C

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

22. What are constructors ? How will you overload a constructor ?
23. What is an exception ? Give an example.
24. Explain the life cycle concept of applet.
25. Discuss how the Java is most suitable programming language for the Internet ?
26. Explain any *two* packages in Java API.
27. Explain Servlet chaining.
28. Write a note on Entity Bean.

(5 × 2 = 10 weightage)

Section D

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

29. Write a Java program using applet that receives a whole number in one text-field, and compute its factorial value and return it in another text-field, when the button named 'Compute' is clicked.
30. Explain the methods used to create Icons, and Labels in Java Swing.
31. Explain how connection is established to the database using JDBC : ODBC bridge ?

(2 × 4 = 8 weightage)