BCS31 — JAVA PROGRAMMING

Time : Three hours   Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. What is literal? Give example.

2. Mention some modifiers with their importance.

3. What is interface? Give an example.

4. Show how to call super class constructor.

5. Mention the purpose of String Tokenizer class.

6. Brief the life cycle of thread.

7. Mention the components in AWT.

8. Give a situation where radio buttons can be used.

9. List the types of drivers in JDBC.

10. Define Metadata. Give an example.

SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Describe about constructors with its types.

Or

(b) Write a Program in Java to print series squares of first 10 Natural numbers and their sum

12. (a) Describe how to override super class methods.

Or

(b) Define Package. Explain accessibility control in packages.

13. (a) Show how string can be inputted and outputted with StringBuffer Class.

Or

(b) Discuss about the statements required for handling Exception

14. (a) Discuss about the life cycle of applet.

Or

(b) Discuss about the role of Swing in getting an interface.

15. (a) Write about classes and interfaces in JDBC

Or

(b) Describe how to have new database and table with JDBC.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. List the features of Java. Write a program using constructors.

17. Describe the nature of abstract classes and methods with an application.

18. With suitable example explain any five string function.

19. Describe any three AWT classes with their method.

20. Develop an application with JDBC to display the employees who are attaining superannuation in the month of October.

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