

APRIL/MAY 2019

BCS31 — JAVA PROGRAMMING

Time : Three hours

Maximum : 75 marks



SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. What is literal? List some literals in Java.
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 — ($5 \times 5 = 25$ 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 — ($3 \times 10 = 30$ marks)

Answer any THREE questions.

16. List the features of Java. Write a program with constructors and static.

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

18. Develop an application to show how can any five string functions be performed.

19. Describe any three AWT classes with their methods.

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