BCA31 — JAVA PROGRAMMING

Time : Three hours   Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. What is Java Virtual Machine?

2. List out various separators used in Java.

3. Distinguish between Abstract class and Concrete class.

4. What are Parameterized constructors?

5. Mention the use of 'extends' keyword.

6. Define Thread.

7. Give any two AWT Controls in Java.

8. What is the use of Applet Viewer?

9. Expand JDBC and ODBC.

10. Write the syntax for creating connection to a database

SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Describe the usage of Enumerated data type? Give exmaples.

Or

(b) How do you define a class in JAVA? How do you create its instances and refer to them? Expalin.

12. (a) Explain the different forms of Inheritance in Java,

Or

(b) With suitable program describe the usage of 'super' keyword.

13. (a) Elucidate the overriding method with a suitable example program.

Or

(b) Discuss on stopping and blocking threads.

14. (a) Give an overview on applet life cycle with suitable example.

Or

(b) Discuss on Action event with an example.

15. (a) Explain the various types of resultset object.

Or

(b) Describe about the types of JDBC Driver.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Write detailed note on branching and looping statements in Java.

17. How to define and access a package? Explain with examples.

18. Describe the various techniques to handle Exceptions in Java.

19. Give an account on Layout manager in java.

20. Write an example program using JDBC .