BOARD DIPLOMA EXAMINATION
DIPLOMA IN COMPUTER ENGINEERING
OOP THROUGH JAVA
FOURTH SEMESTER EXAMINATION

Time: 3 Hours   **Total Marks: 80**

PART - A   (3m x 10 = 30m)

Note 1:Answer all questions and each question carries 3 marks

2:Answers should be brief and straight to the point and shall not exceed 5 simple sentences

1. Why main method is assigned as static?

2. Write about initialization of an array

3. What are the various types of operators in java?

4. Write the process of creating and executing a java program

5. Define package

6. What is Inheritance hierarchy?

7. List the advantages of interface

8. Write about the fundamental exception types

9. What are the different states in a thread's life cycle?

10. List different types of drivers

PART - B   (10m x 5 = 50m)

Note 1:Answer any five questions and each carries 10 marks

2:The answers should be comprehensive and the criteria for valuation is the content but not the length of the answer

11. Explain any five features of Object Oriented Programming

12. Explain about various types of constructors with example

13. Explain the selection statement in java with suitable examples

14. Explain different categories of visibility for class members in a package

15. Write a java program to implement multi level inheritance in java

16. Explain user defined exception with an example program

17. Explain about Inter thread Communication

18. Explain about the Scrollable ResultSet interface