6431
BOARD DIPLOMA EXAMINATION
MARCH/APRIL - 2019
DIPLOMA IN COMPUTER ENGINEERING
OOP THROUGH JAVA
FOURTH SEMESTER EXAMINATION

<u>Time: 3 Hours</u>   <u>Total Marks: 80</u>

<u>PART - A</u>   (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. What are instance variables?

2. Define one dimensional and two dimensional array

3. What is a literal?

4. List the Conditional operators and write an example for each operator.

5. Define Inheritance

6. List the advantages of package

7. What is an interface? How to define it in java?

8. Write about the fundamental exception types

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

10. What is the purpose of IN, OUT and INOUT parameters in Callable Statements?

<u>PART - B</u>   (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 the features of Java and why it is important

12. Write a java program that uses command - line arguments

13. What is "final" keyword? Write a java program to demonstrate how "final" keyword can be used

14. Explain about importing packages in java

15. Explain different categories of visibility for class members in an interface

16. Explain thread priority with suitable example

17. Write a java program with an user defined exceptions

18. Explain about ResultSetMetaData interface

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