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BOARD DIPLOMA EXAMINATION, (C-16)

AUGUST/SEPTEMBER—2021

DCME - FOURTH SEMESTER EXAMINATION

OOP THROUGH JAVA

Time : 3 hours]   [*Total Marks* : 80

PART—A

3×10=30

Instructions :   (1) Answer **all** questions.

(2) Each question carries **three** marks.

(3) Answers should be brief and straight to the point and shall not exceed five simple sentences.

1.   Write any three differences between procedure oriented programming and object oriented programming.

2.   Write about final variable, final method, and final class.

3.   Write any three differences between constructor and method.

4.   Write about naming system in Java.

5.   Write the differences between class and interface.

6.   Define package.

7.   Write syntax to create an interface and implement interface in a class.

8.   Write about thread priorities.

9.   List the types of exceptions.

10.   Draw JDBC architecture.

PART—B 10×5=50

Instructions : (1) Answer *any* **five** questions.

(2) Each question carries **ten** marks.

(3) Answers should be comprehensive and criterion for valuation is the content but not the length of the answer.

11. List and explain features of object oriented programming.

12. Explain method overloading with an example program.

13. Explain iterative statements syntax with an example.

14. Explain multilevel and hierarchical inheritance with an example program.

15. Explain the concept of importing user defined packages with an example program.

16. What are the two ways to create a thread? Explain with suitable example program(s).

17. Explain multi-catch with finally block in exception handing with an example program.

18. Write a Java program to retrieve data from a database table.

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