C16–CM–**402**

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BOARD DIPLOMA EXAMINATION, (C–16)
OCT/NOV—2018
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. List any three features of OOP.

2. Write a short note on break and continue in Java.

3. List all the data types in Java.

4. Define an Array and write the syntax to declare an array.

5. Define inheritance.

6. Define a package with example.

7. Write about Classpath variable in Java.

8. List the advantages of multithreading.

9. Write a short note on sources of errors.

10. Write a short note on connection interface.

PART—B 10×5=50

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

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

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

11. *(a)* List the differences between procedure oriented programming and OOP.

(b) Explain polymorphism and data encapsulation.

12. List and explain various types of constructor with examples in Java.

13. *(a)* Explain the usage of 'this' pointer with example program.

(b) List and explain the types of comment in Java.

14. *(a)* Explain the scope of variables in interfaces.

(b) List and explain briefly about built-in packages in Java.

15. Explain the concept of access protection.

16. Explain how to crete a thread using Runnable interface with example.

17. Explain exception Handling in Java.

18. Explain how to establish connection between any Java application and Database.

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