C16–CM–**402**

6431

BOARD DIPLOMA EXAMINATION, (C–16)
SEPTEMBER/OCTOBER - 2020
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 the differences between class and structure.

2. Write a short note on type conversion in Java.

3. Define constructor. List various types of constructor.

4. Define Applet.

5. What is the use of interface in Java?

6. Write a short note on importing package in Java.

7. Why is multiple inheritance not supported in Java?

8. Define deadlock.

9. List different types of exceptions.

10. Write a brief note on DriverManager class.

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

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

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

11. *(a)* Explain briefly Data Abstraction and Inheritance in OOP.   6

    (b) Write a short note on class and object.   4

12. List and explain various iterative statements in Java.

13. *(a)* Explain the usage of 'this' pointer with example programs.   5

    (b) Explain command line arguments.   5

14. Explain different levels of access protection available in Java with respect to packages.

15. Explain different types of inheritance with examples.

16. Explain thread priority with suitable example.

17. Explain multi-catch statement with example in Java.

18. Explain the following with examples :

    (a) Prepared statement

    (b) Callable statement

★ ★ ★