C16–CM–402

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BOARD DIPLOMA EXAMINATION, (C–16)
MARCH/APRIL—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 object-oriented programming.

2. What is the purpose of 'this' pointer?

3. Write the syntax of switch statement.

4. List any three methods of string class.

5. Define class path.

6. Write the syntax for implementing an interface with an example.

7. List different types of inheritance.

8. List the various thread priorities.

9. Write any three advantages of exception handing.

10. Write about prepared statement.

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. Differentiate between procedure-oriented programming and object-oriented programming.

12. Explain about iteration statements of Java with examples.

13. *(a)* Explain about static keyword. 4

(b) Write a Java program to perform addition of two matrices. 6

14. *(a)* Write a Java program to demonstrate 'the use of final keyword to avoid Method Overriding'. 6

(b) Explain the concept of Access Protection. 4

15. Explain about Multi-Level Inheritance with an example program.

16. Explain thread priorities with an example program.

17. Explain inter-thread communication with example program.

18. *(a)* Explain about JDBC architecture. 5

(b) Write about Connection Interface and Driver Manager class. 5

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