

C16-CM-402

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**BOARD DIPLOMA EXAMINATION, (C-16)
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. List any two differences between class and structure.
2. What is comment? List the different types of comments supported by java.
3. What is type conversion and type casting?
4. List various iterative statements in java.
5. How to achieve multiple inheritance in java?
6. Define an interface. Write the difference between class and interface.
7. What is multilevel inheritance? Give an example.
8. List various thread priorities.
9. How to set and get the priority of thread?
10. List the steps in connecting a database using JDBC.

PART—B

10×5=50

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

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

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

- 11.** List and explain the features of object oriented programming. 10
- 12.** List and explain various decision making statements in java with examples. 10
- 13.** (a) What is constructor? Explain about various types of constructors in java with examples. 5
(b) Write a java program that will check whether the given number is prime or not. 5
- 14.** Explain in detail about overriding concept in java with an example. 10
- 15.** Write a java program to implement hybrid inheritance. 10
- 16.** Explain the following thread methods : 2×5=10
(a) join (b) suspend
(c) resume (d) getname
(e) sleep
- 17.** Write a java program that will handle a user defined exception. 10
- 18.** Write a java program to display the details of employee table. 10

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