# 6431

## BOARD DIPLOMA EXAMINATION, (C-16)

## MAY/JUNE—2023

## DCME - FOURTH SEMESTER EXAMINATION

OOPS 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.** Write about naming system in Java.

**3.** Write a brief note about bytecode of Java and JVM.

**4.** Write a brief note about Java literals.

**5.** What is inheritance.

**6.** Write a short note on class path.

**7.** Define an interface.

**8.** List the two ways to create a thread.

**9.** Write syntax of alive(), join() methods.

**10.** Draw JDBC architecture.

**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.** *(a)* Compare class and structure. 5

*(b)* Write five comparisons between procedure oriented programming and object oriented programming. 5

**12.** *(a)* Explain the process of creating and executing a Java program. 5

*(b)* Write a program using two-dimensional array. 5

**13.** Explain the looping statements of Java with an example. 10

**14.** Explain the process of importing packages. 10

**15.** Explain the interface with an example. 10

**16.** Explain the inter thread communication with an example program. 10

**17.** Write a Java program to handle multiple exceptions using multiple catch statements. 10

**18.** Explain three kinds of statements : statement, prepared statement and callable statement with example program. 10

★ ★ ★