

**6431****BOARD DIPLOMA EXAMINATION, (C-16)****MARCH / APRIL — 2021****DCME — THIRD SEMESTER EXAMINATION****OOP THROUGH JAVA***Time* : Three Hours][*Maximum Marks* : 80**PART-A**

3×10=30

- Instructions :**
- (i) Answer **all** questions.
 - (ii) Each question carries **three** marks.
 - (iii) Answer should be brief and straight to the point and shall not exceed *five* simple sentences.

1. What is Object Oriented programming ?
2. How to declare and initialize variables in Java ?
3. What is Data type ? List basic Data types in Java.
4. What is Keyword ? List any four Java keywords.
5. What is Inheritance ? List the types of inheritance.
6. List any two differences between Class and Interface.
7. Define a package.
8. What is an exception ? List the different types of exceptions supported by Java.
9. What is Thread ? List the different ways to implement threads in Java.
10. List various JDBC drivers.

- ***Instructions :** (i) Answer any **five** questions.
(ii) Each question carries **ten** marks.
(iii) Answer should be comprehensive and the criterion for valuation is the content but not the length of the answer.
11. (a) Explain the terms class, object and structure.
(b) Distinguish between class and structure.
12. List and explain various operators in Java.
13. (a) Explain in detail about Switch statement in Java.
(b) Write a Java program to print the name of the month by reading month number using switch.
14. Explain in detail about multiple inheritance in Java with an example.
15. Explain how to create user defined packages in Java with an example.
16. Explain any five thread methods in Java with examples.
17. (a) Write a Java program to handle divided with examples.
(b) List the advantages of Exception handling.
18. List and explain the steps involved in connecting to database using JDBC.

* * * * *

*

*