IT201   Enrol. No. ....

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END SEMESTER EXAMINATION : April-May, 2023

JAVA PROGRAMMING

Time : 3 Hrs.   Maximum Marks : 60

Note: *Attempt questions from all sections as directed.*

SECTION – A   (24 Marks)

Attempt any **four** *questions out of* **five.**
Each question carries 06 marks.

1. Explain the various features of Java. Why is Java known as platform-neutral language? Explain.

2. Explain the importance of event handling mechanism. What is delegation event model? Explain with examples.

3. What are the various java annotations and its types? Write a program to create custom annotations.

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685

4. Write a program to explain the difference between abstract classes and final classes.

5. What are the various types of inheritances supported by Java? How is multiple inheritance implemented in Java?

SECTION – B   (20 Marks)

Attempt any two questions out of three.

Each question carries 10 marks.

6. Explain the life cycle of a thread. Write a program to implement thread priorities.

7. What is maven? Explain the Maven Life cycle in detail.

8. Explain the significance of the following in detail:

(i) Event Listeners

(ii) Layout Managers

SECTION – C   (16 Marks)
(Compulsory)

9. (a) Write a program to display the creation of theads in two different ways.   (8)

(b) Create a class Box in a package Mypackage with its length, breadth and depth. Provide appropriate constructors), which pass value of length, breadth and depth externally to constructor. Provide methods to calculate volume and to display all information of Box. Design different class TestBox class which is not in Mypackage package, and which will contain main function. From this main function, create two Box objects by taking all necessary information.   (8)

685

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