

I B. Tech II Semester Regular/Supplementary Examinations, August- 2022
OBJECT ORIENTED PROGRAMMING THROUGH JAVA
(ECE, EIE, ECT)

Time: 3 hours

Max. Marks: 70

Answer any five Questions one Question from Each Unit
All Questions Carry Equal Marks

Unit - I

1. a) Develop a program that displays the equivalent month name for a given month number. (7M)
b) List and explain visibility modifiers with examples. (7M)

Or

2. a) Demonstrate the importance of Finalizer using an example program. (7M)
b) List and explain any four methods of StringBuffer. (7M)

Unit - II

3. a) Demonstrate inheritance with the help of an example program. (7M)
b) Discuss the limitations of multiple inheritances with an example program. (7M)

Or

4. a) Demonstrate an Abstract class using a case study. (7M)
b) Illustrate the method of testing an object, whether it is an instance of a specific type. (7M)

Unit - III

5. a) Illustrate the Applet life cycle with a neat sketch. (7M)
b) Develop a program to collect students' six subject marks, compute aggregate, and display the same. Use Swings. (7M)

Or

6. a) List and explain various layouts in Java language. (7M)
b) Demonstrate various types of windows and messages with examples. (7M)

Unit - IV

7. a) Compare the features of the Byte stream and Character Stream. (7M)
b) Develop a program to handle console output using PrintWriter. (7M)

Or

8. a) List and explain the Character Stream classes (7M)
b) Develop a program to read characters from the console with BufferedReader. (7M)

Unit - V

9. a) Demonstrate the advantage of finally block in handling the exception. (7M)
b) Give the importance of throw keyword using an example program. (7M)

Or

- 10 a) Demonstrate the Thread synchronization using an example program. (7M)
b) Discuss the advantages of JavaBeans. (7M)

