

II B. Tech I Semester Supplementary Examinations, September - 2021
OBJECT ORIENTED PROGRAMMING THROUGH JAVA
(Electronics and Communication Engineering)

Time: 3 hours

Max. Marks: 75

Answer any **FIVE** Questions each Question from each unit
All Questions carry **Equal** Marks

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- 1 a) What is a class and object? Is there any relationship between them? Explain. [7M]  
b) What is a member function and data members? Explain. [8M]
- Or
- 2 a) What is the order of invoking constructors for the classes that make up the hierarchy? Explain. [7M]  
b) Discuss the need for over ridding methods. [8M]
- 3 a) What happens when an Interface is partially implemented? Explain. [7M]  
b) Explain classes in java.io package. [8M]
- Or
- 4 a) Explain nested Interfaces with suitable example. [7M]  
b) Write java program to implement the single Inheritance. [8M]
- 5 a) Discuss about Mouse Events in detail. [8M]  
b) Write a program to show how to create Combo boxes and Labels using Swings. [7M]
- Or
- 6 a) Briefly explain Swing Text area and Check boxes. [7M]  
b) Discuss about Tabbed Panes and Scroll Panes. [8M]
- 7 a) Write about File Output Stream with an example. [8M]  
b) Explain about Character Streams. [7M]
- Or
- 8 a) Explain standard I/O Streams in detail. [7M]  
b) Explain File Input Stream class with an example. [8M]
- 9 a) Explain in detail about benefits of exception handling. [7M]  
b) Explain about daemon threads with suitable example. [8M]
- Or
- 10 a) What is meant by uncaught exceptions? Explain it with suitable examples. [8M]  
b) Write a Java program to implement multi threading. [7M]

