

**CMR ENGINEERING COLLEGE: : HYDERABAD**  
**UGC AUTONOMOUS**

**III-B.TECH-II-Semester End Examinations (Supply) - December- 2025**  
**JAVA PROGRAMMING**  
**(ECE)**

**[Time: 3 Hours]**

**[Max. Marks: 70]**

**Note:** This question paper contains two parts A and B.

Part A is compulsory which carries 20 marks. Answer all questions in Part A.

Part B consists of 5 Units. Answer any one full question from each unit. Each question carries 10 marks and may have a, b, c as sub questions.

**PART-A**

**(20 Marks)**

1. a)	What is an abstract class? Give an example.	[2M]
b)	Differentiate between class and object.	[2M]
c)	Why java not support multiple inheritance.	[2M]
d)	Define a Package? What is its use in java? Explain.	[2M]
e)	What is the difference between error and an exception?	[2M]
f)	How do we set priorities for threads?	[2M]
g)	What is a java priority queue?	[2M]
h)	What is JDBC used for?	[2M]
i)	What are the limitations of AWT?	[2M]
j)	What are the methods in applet life cycle?	[2M]

**PART-B**

**(50 Marks)**

2.	Discuss about the conditional statements in Java with an example.	[10M]
<b>OR</b>		
3.	Write a java programs to illustrate overloading & constructor overloading.	[10M]
4.	Write a java program to demonstrate hierarchical and multiple inheritance using interfaces.	[10M]
<b>OR</b>		
5.	Write a java program to find the factorial value of the given number using user defined package concept.	[10M]
6.	What are the Java Built-in Exceptions? Write the importance of finally block.	[10M]
<b>OR</b>		
7.	What is Multithreading? Illustrate the ways to create multiple threads in java.	[10M]
8.	Illustrate Generic class with an example.	[10M]
<b>OR</b>		
9.	Discuss about the JDBC Drivers and How to connecting to databases? Explain.	[10M]
10.	List out the steps for creating simple user Registration form using java swing with an example.	[10M]
<b>OR</b>		
11.	Write the step wise procedure to create and run an applet and list out the event classes and listener interfaces.	[10M]

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