CMR ENGINEERING COLLEGE: : HYDERABAD
UGC AUTONOMOUS
III–B.TECH–II–Semester End Examinations (Supply) - June- 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 abstract class? Give example.	[2M]
b)	Differentiate between class and object.	[2M]
c)	Why java not support multiple inheritances?	[2M]
d)	Define a Package.	[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)	Explain applet life cycle.	[2M]

PART-B   (50 Marks)

2.	Discuss about the conditional Statements in Java with example.	[10M]
	OR	
3.	Write a java programs to illustrate Overloading & Constructor Overloading.	[10M]
4.	Explain different types of inheritance.	[10M]
	OR	
5.	Write a java program to find the factorial value of the given number using user defined package concept.	[10M]
6.	What are Java's Built-in Exception? Write the importance of finally block.	[10M]
	OR	
7.	What is Multithreading? Illustrate the ways to create multiple threads in java.	[10M]
8.	Illustrate Generic class with an example.	[10M]
	OR	
9.	Discus about the JDBC Drivers and How to connecting to databases? Explain.	[10M]
10.	Design a GUI using java swing components with a suitable layout.	[10M]
	OR	
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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