

Total No. of Questions – [2]

Total No. of Printed Pages: 1

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PAPER CODE	V124 - 353 -
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March 2024 (INSEM) EXAM
F.Y.B. TECH. COMPUTER SCIENCE AND ENGG.(AIML)
(SEMESTER - II)

COURSE NAME: PROBLEM SOLVING AND PROGRAMMING -II
COURSE CODE: CM12233

(PATTERN 2023)

Time: [40 min]

[Max. Marks: 20]

Instructions to candidates:

- 1) **Figures to the right indicate full marks.**
- 2) **Use of scientific calculator is allowed**
- 3) **Use suitable data wherever required**
- 4) **Solve any two sub questions from Question 1 and 2**

Question No.	Question Description	Marks	CO mapped	Blooms Taxonomy Level
Q.1	a) Enlist the features which make java language different from other object oriented programming language?	[5]	1	2
	b) Put some light on java operators with their types, precedence, Illustrate with example left shift and right shift operator in java with java pseudo code.	[5]	1	2
	c) How static method and static classes are related to each other? Justify your answer with suitable example Can we make an instance of abstract class?	[5]	1	2
Q2	a) Develop a java program for student details of a class having 60 students, with different operations such as marks for 4 subjects, percentage calculations and grade by using array declaration, initialization and creating object of an array	[5]	2	3
	b) Show different forms of inheritance with neat diagram. Develop a java code for multiple and multilevel inheritance.	[5]	2	3
	c) Develop a program to print the area of two rectangles having sides (4,5) and (5,8) respectively by creating a class named 'Rectangle' with a method named 'Area' which returns the area and length and breadth passed as parameters to its constructor.	[5]	2	3

Blooms Taxonomy: 1.Remember 2. Understand 3. Apply

