Total No. of Questions - [2]

Total No. of Printed Pages: 02

G.R.								

PAPER CODE V124 - 3113

March 2024 (INSEM) EXAM

F.Y.B. TECH. MECHANICAL (SEMESTER - II)

COURSE NAME: ENGINEERING MECHANICS

COURSE CODE: ME12233

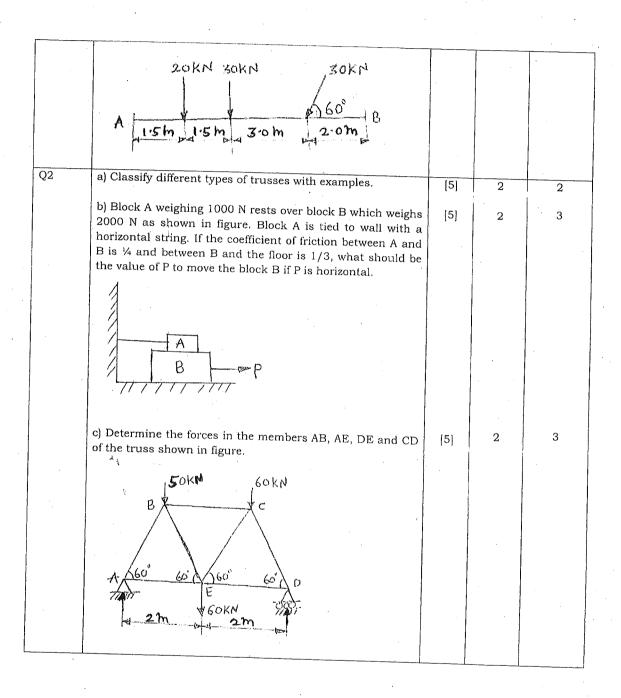
(PATTERN 2023)

Time: [40 min]

[Max. Marks: 20]

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

Question	Question Description			
No.	·	Marks	CO	Blooms
			mapped	Taxonomy
Q.1	a) Classifix different to C.C.			Level
£1.2	a) Classify different types of force systems with examples.	[5]	1	2
	b) A system of connected flexible cables shown in figure is supporting two vertical forces 300 N and 350 N at point B and D. Determine the forces in various segments of the cable.	[5]	1	3
	×°E			
10	1A 8 60° E			
	300N			
	350N	[5]	1	3
	c) A system of loads acting on a beam is shown in figure. Determine the resultant of the loads and horizontal distance of resultant from point A.			



Note BT Level: 1. Remember 2. Understand 3. Apply 4. Analyse 5. Evaluate 6. Create