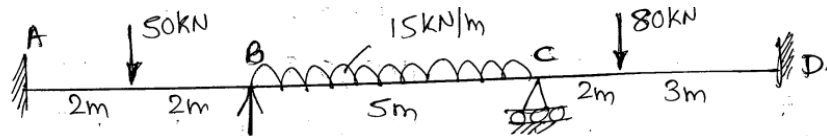
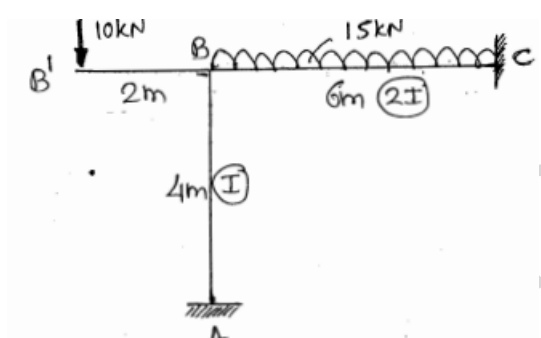
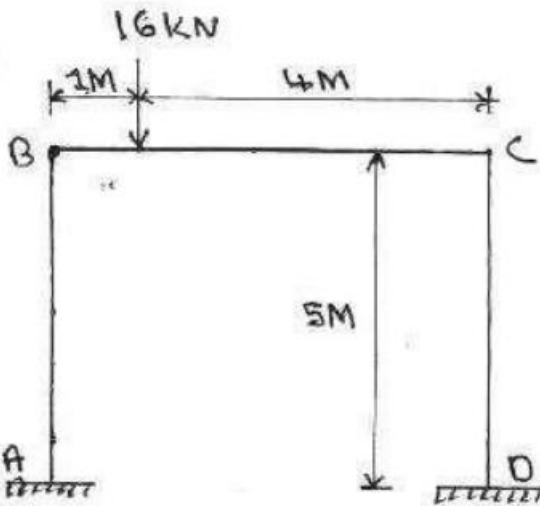
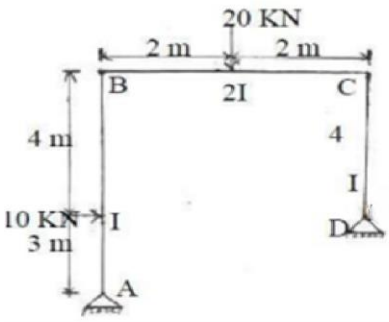
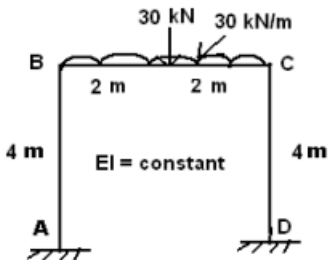
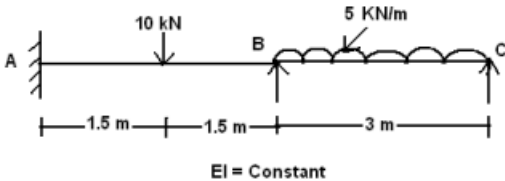
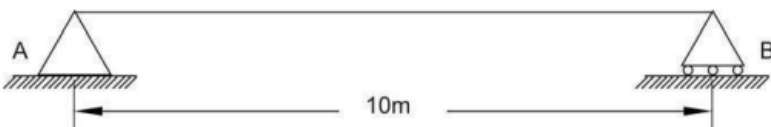
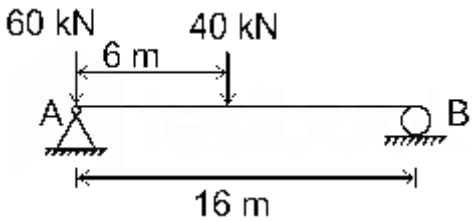




		<b>UNIT - II</b>			
3		<p>Analyze the continuous beam shown in Fig. 3 by Moment Distribution Method. Draw B.M.D and elastic curve.</p>  <p style="text-align: center;">Fig. 3</p>	I	I,2	20
		<b>OR</b>			
4		<p>Analyze the rigid frame shown in Fig. 4 by Moment Distribution Method. Draw BMD and elastic curve.</p>  <p style="text-align: center;">Fig. 4</p>	I	I,2	20
		<b>UNIT - III</b>			
5		<p>Analyze the frame shown in Fig. 5 by moment distribution method. Assume EI is constant. Draw BMD and elastic curve.</p>  <p style="text-align: center;">Fig. 5</p>	I	I,2	20
		<b>OR</b>			
6		<p>Analysis the rigid frame shown in Fig. 6 by slope deflection method. Draw BMD and elastic curve.</p>	I	I,2	20

					
		Fig. 6			
		UNIT - IV			
7		Analyse the portal frame ABCD shown in Fig. 7 by direct stiffness method. Also sketch BMD and elastic curve.			
			2	1,2	20
		Fig. 7			
		OR			
8		Analyze the continuous beam ABC shown in Fig. 8 by Direct stiffness method. Draw BMD and elastic curve.			
			2	1,2	20
		Fig. 8			
		UNIT - V			
9	a)	Construct the influence line for reactions, bending moment and shear force for the beam of span 10 m. The beam structure is shown in Fig. 9			
			3	1,2	6
		Fig. 9			
	b)	Find the value of absolute maximum bending moment and shear force, when a series of concentrated loads 100kN, 180kN, 200kN, and 150kN spaced at 1.5m, 2.0m and 1.5m crosses the girder of span 20m. Take 150 kN load leading.	3	1,2	14

			<b>OR</b>			
	10	a)	<p>Two loads of 40kN and 60kN are moving towards support B as shown in Fig 10. What is the maximum negative shear force at B?</p>  <p style="text-align: center;">Fig. 10</p>	3	1,2	<b>10</b>
		b)	<p>Derive the value of equivalent uniformly distributed load in the case of a single concentrated load moving across a girder and then draw enveloping parabola.</p>	3	1,2	<b>10</b>

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