

CONTINUOUS INTERNAL EVALUATION- 1

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|----------------|---------------------|---|----------------|
| Dept: Civil | Sem / Div: 5 | Sub: Analysis of indeterminate structures | S Code: 18CV52 |
| Date: 21/11/22 | Time: 3.00-04.30 PM | Max Marks: 50 | Elective: N |

Note: Answer any 2 full questions, choosing one full question from each part.

| Q N | Questions | Marks | RBT | COs |
|---------------|--|-------|-----|-----|
| PART A | | | | |
| 1 a | <p>Analyse the continuous beam as show in figure by slope deflection method. Draw bending moment, shear force and elastic curve.</p> | 25 | L4 | CO1 |
| OR | | | | |
| 2 a | <p>Analyse the continuous beam as show in figure by slope deflection method. support A yields clockwise by $1/250$ radian. Support B and C is settles down by 30mm and 20mm respectively. Take $E=764 \text{ kn-m}^2$. Draw bending moment, shear force and elastic curve.</p> | 25 | L4 | CO1 |
| PART B | | | | |
| 3 a | <p>Analyse the portal frame by slope deflection method. Draw bending moment, shear force and elastic curve.</p> | 25 | L4 | CO1 |

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OR

4 a Analyse the portal frame by slope deflection method. Draw bending moment, shear force and elastic curve.

25

L4

CO1

