## Vivekananda College of Engineering & Technology, Puttur

[A Unit of Vivekananda Vidyavardhaka Sangha Puttur ®]
Affiliated to VTU, Belagavi & Approved by AICTE New Delhi

CRM08

Rev 1.10

«Civil»

(07-01-2021)

## CONTINUOUS INTERNAL EVALUATION- 3

Dept:Civil Sem / Div: 5 Sub: Analysis of S Code: 18CV52 Indeterminate Structures

Date: 11-01-2021 Time:2:30-4:00 pm Max Marks: 50 Elective:N

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

O Questions Marks RBT COs N PART A I a Analyze the continuous beam shown in fig. By Kani's method. Draw 25 L3 CO3 bending moment diagram... 30KN 20KN I0KN/M OR 2 a Analyze the frame shown in fig. By Kani's method. Draw bending 25 L3 CO3 moment diagram. E 13 Hm I

Prepared by: Subrahmanya R M

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## CONTINUOUS INTERNAL EVALUATION- 3

PART B	10000		2000
Analyze the continuous beam by Stiffness matrix method. Draw bending moment diagram	25	1.3	CO5
AJ 5 15 Km/m 8 Km 20 Km 20 Km 1 m e 3 m 2 m D. 4 m, 2 I T I T 1.5 I E D.		F	
AJ BIM IM E 3M 2M D.			
1 4m, 21 1 1 1 1 1 1 1			
OR			
a Analyze the portal frame shown in fig. By stiffness matrix method. Draw bending moment diagram.	25	L3	COS
And the second s			
A J HM, I HM, I AM			
3m 150kn			*
150KN - 2I.			
30			
7/2/11			

2.8.Cee

Prepared by: Subrahmanya R M

HOD