

**QUIZ NO: 797**

**TOPIC: STRUCTURAL ANALYSIS**

**DATE: 20/02/2024**

**1. Moment required to cause unit rotation at near end of a member**

- [A] Stiffness factor
- [B] Rotation factor
- [C] Distribution factor
- [D] Carry over factor

**Answer: A**

**2. Stiffness factor for a member when far end is hinged**

- [A]  $3EI/L$
- [B]  $2EI/L$
- [C]  $4EI/L$
- [D]  $6EI/L$

**Answer: A**

**3. Stiffness factor for a member when far end is free**

- [A] Zero
- [B] One
- [C] One half
- [D] One third

**Answer: A**

**4. Sum of stiffness of all members meeting at a joint**

- [A] Rotation factor
- [B] Rotational stiffness of a joint
- [C] Distribution factor
- [D] Carry over factor

**Answer: B**

**5. Ratio of moment induced at a joint to the moment applied at other joint**

- [A] Stiffness factor
- [B] Rotation factor
- [C] Distribution factor
- [D] Carry over factor

**Answer: D**

# To PURCHASE Our COURSES

LIVE CLASSES	DIRECT CLASSES
Assistant Engineer Standard 2023	Assistant Engineer - Civil
	Overseer Grade I
	GATE 2024
Assistant Engineer Courses	Overseer Courses
Assistant Engineer/ Overseer Grade I	Overseer Grade I
	Junior Instructor Surveyor
	Irrigation LSGD Overseer
GATE 2024 Civil Pre-recorded	
TEST SERIES (With detailed solution)	
Online Test Series Combo	AE PCB Test series
AE Test Series	SSC JE Subject wise
OVERSEER Test Series	GATE 2024 - Test Series
ISRO Test Series	Full length tests – GATE
SSC JE CIVIL Test Series	Topicwise tests for GATE
SSC JE Full Length Tests	Subjectwise Test series – GATE
e - BOOKS	
HANDWRITTEN NOTES – e- book	Quick Reference For AE and Overseer – e Book
e – Book for Civil Engineering INTERVIEWS	Overseer PYQ detailed – e Book
150 PYQ e - book	Civil Engineering MCQ – e Book
Mechanical Engineering e - Book	GATE Civil Engineering - e Book



സിവിൽ എഞ്ചിനീയറിംഗ്  
മത്സരപരീക്ഷകൾക്കായി  
ഇനി ഒരൊറ്റ കോഴ്സ്

## VAJRA BATCH

Pre-Recorded Classes



Available on  



**ENROLL NOW**  
82 81 00 33 66

## To Connect with us


-  [elearncivilianz@gmail.com](mailto:elearncivilianz@gmail.com)
  -  9497 498 415
  -  civilianz
  -  Clubhouse
  -  Civilianz Blog

**CLICK**

  -  Civilianz\_official
  -  Civil study Circle
  -  Civilianz
  -  WWW.CIVILIANZ.COM
  -  Telegram Job Channel

for

**SAMPLE CLASSES :**

 **CLICK**

**GATE**

**AE**

**Overseer**

**6. Carry over factor of a member when far end is fixed**

- [A] One – third
- [B] One half
- [C] Zero
- [D] One

**Answer: B**

**7. Carry over factor of a member when one end is hinged**

- [A] One
- [B] One half
- [C] One third
- [D] Zero

**Answer: D**

**8. Sway of a frame occurs due to**

- [A] Symmetrical loading
- [B] Unsymmetrical Loading and supports
- [C] Vertical load
- [D] None of these

**Answer: B**

**9. Relative stiffness of a member when far end is hinged**

[A]  $2I/3L$

[B]  $3I/4L$

[C]  $4I/L$

[D]  $6I/L$

**Answer: B**

**10. Slope deflection method was proposed by**

[A] Prof. Hardy cross

[B] Maxwell

[C] G A Maney

[D] Kani

**Answer: C**

Join our social media platforms

