



ANSWER KEY

**QUIZ NO: 821** 

**TOPIC: STRENGTH OF MATERIALS** 

DATE: 30/04/2024

- 1. The radius of core of a circular column of diameter 'd' is?
- [A] d/8
- [B] d/4
- [C] d/6
- [D] d/16

**Answer: A** 

- 2. The equivalent length of an electric pole of length 'L' is?
  - [A] L
  - [B] 0.65 L
  - [C] 2L
  - [D] 0.85 L

Answer: C





ANSWER KEY

;	3. A beam is a structural member predominantly subjected to?
	[A] Transverse loads
	[B] Axial forces
	[C] Twisting moment
	[D] None of these
	Answer: A
4	4. Euler's formula holds good for only?
	[A] Short columns
	[B] Both long and short columns
	[C] Intermediate columns
	[D] Long columns
	Answer: D
5.	A closely coiled helical spring is cut into two halves. The stiffness of the resulting spring will be?
	[A] 1/4
	[B] 4
	[C] 1/2
	[D] 2

Answer: D

## To PURCHASE Our COURSES

101 CRCIMOL 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 Prerecorded			
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 എഞ്ചിനിയറിംഗ് മത്സരപരീക്ഷകൾക്കായി ഇനി ഒരൊറ്റ കോഴ്സ്





ENROLL NOW 82 81 00 33 66

Pre-Recorded Classes

To Connect with us



elearncivilianz@gmail.com



9497 498 415



civilianz





Clubhouse



Civilianz Blog



Civilianz\_official



Civil study Circle



Civilianz

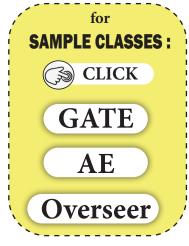


CLICK

WWW.CIVILIANZ.COM



Telegram Job Channel







ANSWER KEY

6.	The most commonly used spring for truck, trailer, and railway carriage is
	[A] Helical Spring
	[B] Leaf spring
	[C] Extension spring
	[D] Compression Spring
	Answer: B
<b>7.</b>	Bending moment at any section in a conjugate beam gives
i	in the actual beam?
	[A] Curvature
	[B] Shear
	[C] Deflection
	[D] Slope
	Answer: C
8.	Fixed end in a real beam becomes in conjugate beam?
	[A] Free end
	[B] Hinged end
	[C] Internal support
	[D] Internal hinge
	Answer: A





ANSWER KEY

- 9. The phenomenon of decreased resistance of material due to reversal of stress is called?
  - [A] Creep
  - [B] Fatigue
  - [C] Resilience
  - [D] Plasticity

**Answer: B** 

- 10. The shear stress at any section of the shaft is maximum?
  - [A] At outer surface
  - [B] At a distance r/2 from centre
  - [C] At centre
  - [D] At a distance 3/4r from centre

**Answer: A** 

Join our social media platforms









