



9497498415

ANSWER KEY

QUIZ NO: 780

TOPIC: TRANSPORTATION ENGINEERING

DATE: 05/12/2023

- 1. In the absence of super elevation, the formation of pot holes is generally found.
 - [A] On the outer edge of road
 - [B] In the inner edge of road
 - [C] In the middle of road
 - [D] Anywhere along the width of the road

Answer: A

- 2. Minimum super elevation provided is
 - [A] 7%
 - [B] 4%
 - [C] Not less than camber at the section
 - [D] Not less than gradient of road

Answer: C





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3.	The super elevation on a track remains constant along the
	[A] Circular curve
	[B] Transition curve
	[C] Both A and B
	[D] None of the above
	Answer: A
4.	Maximum super elevation on hill roads should not exceed
	[A] 5%
	[B] 4%
	[C] 7%
	[D] 10%
	Answer: D
5.	Calculate the radius of a rotary curve for a vehicle speed of 40 kmph and f = 0.4
	[A] 31.5 m
	[B] 25 m
	[C] 42.5 m
	[D] 18 m

Answer: A

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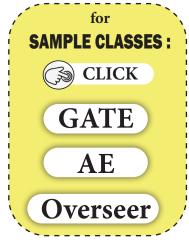


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6.	The maximum	grade a	road	roller	can	climb	is
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- [A] 1 in 5
- [B] 1 in 1
- [C] 1 in 20
- [D] 1 in 10

Answer: A

7. What is the safe SSD for a speed of 100 kmph under ideal conditions?

- [A] 80 m
- [B] 100 m
- [C] 120 m
- [D] 180 m

Answer: D

8. The design value of SSD for a two-lane two-way traffic would be

- [A] Half the SSD
- [B] Equal to SSD
- [C] Twice the SSD
- [D] Three times the SSD

Answer: B





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9. The reaction time of drivers considered for calculating SSD and OSD is

- [A] 2 seconds and 2.5 seconds
- [B] 2.5 seconds and 2.5 seconds
- [C] 2.5 seconds and 2 seconds
- [D] 2 seconds and 2 seconds

Answer: C

10. The curve which is usually provided on the road for direction change

is

- [A] Simple curve
- [B] Compound curve
- [C] Transition curve
- [D] Deviation curve

Answer: A

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