

QUIZ NO: 677

TOPIC: TRANSPORTATION ENGINEERING

DATE: 12/01/2023

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

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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6. The maximum grade a road roller can climb is

- [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

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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