

QUIZ NO: 798

TOPIC: TRANSPORTATION ENGINEERING

DATE: 22/02/2024

1. Radius of curve corresponding to minimum design speed is

- [A] Ruling minimum radius
- [B] Absolute minimum radius
- [C] Minimum radius
- [D] Design radius

Answer: B

2. Maximum amount of super elevation for hilly terrain bound by snow should not be greater than

- [A] 7 %
- [B] 5 %
- [C] 2 %
- [D] 3 %

Answer: A

3. For mixed traffic conditions, rate of super elevation for horizontal highway curve of radius 500 m and a speed of 100 kmph is

- [A] 0.220
- [B] 0.089
- [C] 0.057
- [D] 0.0108

Answer: B

4. Which of the following is/are true statement/statements

- [A] For hill road bound by snow value of super elevation is 0.07
- [B] Minimum radius of curve depends on velocity of vehicle
- [C] Both A and B
- [D] None of these

Answer: C

5. For design super elevation velocity is taken as of design speed

- [A] 20 %
- [B] 75 %
- [C] 2.5 %
- [D] 50 %

Answer: B

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6. Minimum value of super elevation is equal to

- [A] Camber of the road
- [B] Gradient
- [C] Longitudinal slope
- [D] None of these

Answer: A

7. Extra widening on curve depends on

- [A] Number of lanes
- [B] Speed of vehicle
- [C] Length of vehicle
- [D] All of these

Answer: D

8. Extra widening on curve is provided due to

- [A] Off tracking of vehicles on curve
- [B] Psychological reasons
- [C] Both A and B
- [D] None of these

Answer: C

9. If the length of vehicle is doubled then mechanical widening becomes

- [A] Increases
- [B] Double
- [C] Increases to 4 times
- [D] Decreases

Answer: C

10. Off tracking of vehicle on curve is due to

- [A] Rigidity of wheel base
- [B] Excessive rainfall
- [C] Extra widening
- [D] All of the above

Answer: A

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