

**QUIZ NO: 794**

**TOPIC: TRANSPORTATION ENGINEERING**

**DATE: 18/01/2024**

**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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