

QUIZ NO: 512

TOPIC: TRANSPORTATION ENGINEERING

DATE: 02/11/2021

1. The point of importance through which a highway alignment should/should not pass:

- [A] Crossing
- [B] Obligatory points
- [C] Grade point
- [D] All the above

Answer: B

2. The method of planting trees/plants in the medians in order to improve the aesthetics and reduce the headlight effect is called:

- [A] Horticulture
- [B] Treebo culture
- [C] Arboriculture
- [D] None of these

Answer: C

3. The traverse slope given to road surface is called:

- [A] Camber
- [B] Gradient
- [C] Unevenness
- [D] Super elevation

Answer: A

4. Width of roadway at plain and rolling terrain for National and State highways are:

- [A] 7.5 m
- [B] 9 m
- [C] 12 m
- [D] 4.75 m

Answer: C

5. For a design speed of 80 kmph, the minimum stopping sight distance for moving vehicles on road way is:

- [A] 80 m
- [B] 120 m
- [C] 150 m
- [D] 200 m

Answer: B

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6. The ratio between centrifugal force and weight of the vehicle is called

- [A] Gradient
- [B] Falling gradient
- [C] Super elevation
- [D] Shoulders

Answer: C

7. The ratio between centrifugal force and weight of the vehicle is called:

- [A] Impact factor
- [B] Impact ratio
- [C] Centrifugal impulse
- [D] Centrifugal factor

Answer: A

8. Rate of change of centrifugal acceleration for computing length of transition curve for a vehicle with design speed V kmph is given by:

- [A] $70/(80+v) \text{ m/s}^3$
- [B] $80/(70+v) \text{ m/s}^3$
- [C] $80/(75+v) \text{ m/s}^3$
- [D] $75/(80+v) \text{ m/s}^3$

Answer: C

9. The design criteria for a valley curve doesn't include the following

- [A] Head light distance
- [B] Overtaking sight distance
- [C] Comfort condition
- [D] Drainage

Answer: C

10. Depression between summits is called:

- [A] Vertical cliff
- [B] Horizontal cliff
- [C] Saddle
- [D] Contour equivalent

Answer: C

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