

**QUIZ NO: 682**

**TOPIC: HIGHWAY ENGINEERING**

**DATE: 24/01/2023**

**1. Suitable shape for vertical curve is**

[A] Spiral

[B] Lemniscate

[C] Parabola

[D] All of these

**Answer: C**

**2. Consistency of bitumen is found out from**

[A] Penetration test

[B] Viscosity test

[C] Float test

[D] All of the above

**Answer: D**

**3. Type of curve present in hill Road which has convexity towards valley side:**

- [A] Salient curve
- [B] Reentrant curve
- [C] Hair pin bend
- [D] Valley curve

**Answer: A**

**4. The Indian Road Congress was set up in:**

- [A] 1934
- [B] 1930
- [C] 1948
- [D] 1956

**Answer: A**

**5. Which of the following instrument is used in engineering survey for highway alignment**

- [A] Theodolite
- [B] Tangent clinometer
- [C] Abney level
- [D] All of these

**Answer: D**

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**6. Hill roads are the roads constructed on a terrain of cross slope**

[A] Greater than 60%

[B] Greater than 25%

[C] Greater than 10%

[D] Both A & B

**Answer: D**

**7. SSD For a velocity of 100kmph**

[A] 120 m

[B] 100 m

[C] 180 m

[D] None of these

**Answer: C**

**8. If V is the design speed in kmph, R is the radius of the curve in metre the super elevation is given by**

[A]  $V/127R$

[B]  $V^2 /127R$

[C]  $V^2 /225R$

[D]  $V/225R$

**Answer: C**

**9. Sign board showing parking places is a**

- [A] Mandatory sign
- [B] Warning sign
- [C] Informatory sign
- [D] Both A and B

**Answer: C**

**10. Emergency lane for a road is**

- [A] Camber
- [B] Carriage way
- [C] Shoulder
- [D] Kerb

**Answer: C**

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