

**QUIZ NO: 315**

**TOPIC: HIGHWAY ENGINEERING**

**DATE: 15/07/2020**

1. The value of lateral friction used for the design of horizontal curve as per IRC guidelines is?

[1] 0.40

[2] 0.30

[3] 0.25

[4] 0.15

**Answer : D**

2. Intermediate sight distance = \_\_\_\_\_ \* Stopping Sight Distance?

[1] 1

[2] 2

[3] 3

[4] 4

**Answer : B**

3. Indian Road Congress was formulated in the year?

[1] 1929

[2] 1934

[3] 1939

[4] 1950

**Answer : B**

4. The maximum value of super elevation for snow bound areas is \_\_\_\_?

[1] 7%

[2] 10%

[3] 12%

[4] 5%

**Answer : A**

5. The angle measured at the change of direction of intersection of two grades in a vertical alignment known as.....?

- [1] Central angle
- [2] Compensation angle
- [3] Deviation angle
- [4] None of these

**Answer : C**

6. The rate of change of centrifugal acceleration for computing length of transition curve with design speed  $V$  Kmph is given in  $m/s^3$  as.....?

- [1]  $70/(80+V)$
- [2]  $80/(70+V)$
- [3]  $80/(75+V)$
- [4]  $75/(80+V)$

**Answer : C**

7. The sum of width of pavement and the shoulders is .....

- [1] Formation width
- [2] Right of way
- [3] Carriage way

[4] None of these

**Answer : A**

8. The ideal shape of a transition curve is.....?

- [1] Parabola
- [2] Hyperbola
- [3] Clothoid
- [4] Lemniscate

**Answer : C**

9. IRC has suggested the height of eyelevel of the driver above the road surface as.....?

- [1] 0.15m
- [2] 0.5m
- [3] 1m
- [4] 1.2m

**Answer : D**

10. For night travel, the length of a valley curve should be such that the head light beam distance is the same as \_\_\_\_\_?

- [1] Stopping sight distance
- [2] Overtaking sight distance
- [3] Sum of (a) and (b)
- [4] Difference of (a) and (b)

**Answer : A**

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