

**QUIZ NO : 309**

**TOPIC : TRANSPORTATION ENGINEERING**

**DATE : 02/07/2020**

1. Aggregate impact value indicates which of the following properties of aggregates?

- [1] durability
- [2] toughness
- [3] hardness
- [4] strength

**Answer : Toughness**

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

- [1] 1
- [2] 2
- [3] 3
- [4] 4

**Answer : 2**

3. The minimum shoulder width recommended by IRC is \_\_\_\_\_?

- [1] 1m
- [2] 1.5m
- [3] 2m
- [4] 2.5m

**Answer : 2.5 s**

4. 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 :  $80/(75+V)$**

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

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

**Answer : Clothoid**

6. Application of bituminous material over an existing pavement surface which is relatively impervious is.....?

- [1] Prime coat
- [2] Tack coat
- [3] Seal coat
- [4] Surface dressing

**Answer : Tack coat**

7. Length of vehicles does not affect?

- [1] extra widening
- [2] sight distance
- [3] width of shoulders
- [4] turning radius

**Answer : width of shoulders**

8. The area of land acquired for a highway, is known as \_\_\_\_\_?

- [1] Width of formation
- [2] Right of way
- [3] Carriage way
- [4] Roadway

**Answer : Right of way**

9. The distance travelled during total reaction time is called

- [1] lag distance
- [2] sight distance
- [3] stopping sight distance
- [4] braking distance

**Answer : lag distance**

10. Head light sight distance is considered in the design of ?

- [1] summit curve
- [2] valley curve
- [3] transition curve
- [4] horizontal curve

**Answer : valley curve**

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