

QUIZ NO: 536

TOPIC: TRANSPORTATION ENGINEERING

DATE: 01/01/2022

1. The economical option during the construction of a road around a hill is _____

- [A] Cut the hill
- [B] Provide a tunnel
- [C] Provide a road around the hill
- [D] Look for other alternative approaches

Answer: C

2. On a horizontal curve, to avoid overturning and lateral skidding, the value of impact factor should always be:

- [A] Greater than $b/2h$ & f
- [B] Greater than $b/2h$ & less than f
- [C] Less than $b/2h$ & f
- [D] Less than $b/2h$ & greater than f

Answer: C

3. The capacity of rotary in PCU per hour for a proportion of weaving traffic 0.5 and the width of weaving section is 12m, average width of entry is 0.4m and length of the weaving section is 7.2m.

[A] 1088 PCU
[B] 1100 PCU
[C] 1200 PCU
[D] 1300 PCU

Answer: A

4. For the design of super-elevation for mixed traffic conditions, the speed is reduced by:

[A] 15%
[B] 25%
[C] 50%
[D] 75%

Answer: B

5. Name the traffic survey data which is plotted by means of Desire lines

[A] Accident
[B] Classified volume
[C] Origin and Destination
[D] Speed and Delay

Answer: C

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6. Obligatory points through which the alignment should not pass are

- [A] Religious structure and costly structures
- [B] Intermediate towns
- [C] Important cities
- [D] None of the above

Answer: A

7. An index map used in highway project shows

- [A] Proposed and existing roads and important places to be connected
- [B] General topography of the area
- [C] Details of various alternate alignment
- [D] General details of existing structures like building wells etc

Answer: B

8. What is the minimum length of a transition curve for a design speed of 80 kmph in a horizontal curve of 240 m radius?

- [A] 32 m
- [B] 42 m
- [C] 52 m
- [D] 72 m

Answer: D

9. The minimum radius for rotary recommended by IRC is?

- [A] 1.3 times of entry radius
- [B] 1.33 times of entry radius
- [C] 1.5 times of entry radius
- [D] 1.7 times of entry radius

Answer: B

10. The coefficient of lateral friction as recommended by IRC is

-
- [A] 0.15
 - [B] 0.40
 - [C] 0.35
 - [D] 0.30

Answer: A

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