QUIZ NO: 719

TOPIC: TRANSPORTATION ENGINEERING

DATE: 11/05/2023

1. The curve formed when negative gradient meets with a steeper negative gradient

   [A] Transition curve

   [B] Valley curve

   [C] Summit curve

   [D] Gradient

   Answer: C

2. Ideal shape for summit curve is

   [A] Parabolic

   [B] Circular

   [C] Square parabola

   [D] Cubic parabola

   Answer: B

3. The rate of rise or fall of a road along its alignment is termed as

[A] Camber

[B] Gradient

[C] Super elevation

[D] Curvature

Answer: B

4. The gradient along which the vehicle doesn't require any tractive effort to maintain specific speed is known as

[A] Ruling gradient
[B] Pushing gradient
[C] Floating gradient
[D] Minimum gradient

Answer: C

5. Ruling gradient for mountainous terrain is

[A] 4%
[B] 5%
[C] 6%
[D] 7%

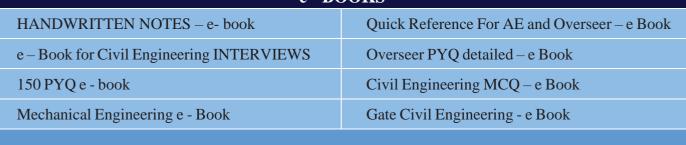**Answer: B**

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6. Maximum value of grade compensation is

[A] (30+R)/R

[B] (35+R)/R

[C] 75/R

[D] 70/R

Answer: C

7. Maximum gradient provided on road is

[A] Ruling gradient

[B] Design gradient

[C] Limiting gradient

[D] Minimum gradient

Answer: C

8. Slope of the road pavement in the longitudinal direction is called

[A] Alignment

[B] Gradient

[C] Super elevation

[D] Length of summit

Answer: B

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Quiz

ANSWER KEY

9. The maximum grade a road roller can climb is

[A] 1 in 5

[B] 1 in 1

[C] 1 in 20

[D] 1 in 10

Answer: A

10. Minimum value of compensated gradient

[A] 1 in 5

[B] 1 in 25

[C] 1 in 20

[D] 1 in 10

Answer: B

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