Quiz

# QUIZ NO: 410

## Topic: RAILWAY ENGINEERING

1. Track modulus is defined as?

[a] Load/unit length of sleeper

[b] Load/unit length of sleeper to produce depression in rail

[c] Load/unit length of rail to produce depression in sleeper

[d] Load/unit length of rail to produce unit depression/deflection in track

**ANS: D**

2. Which of the following causes stresses in Sleepers?

[a] Eccentric vertical loads

[b] Contact shear stress of wheel and rail

[c] Lateral deflection of sleepers

[d] Track components

**ANS: D**

3. How does the depth of ballast cushion affect rail section?

[a] Higher the depth bigger the rail section

[b] Depth is less, bigger the rail section

[c] Depth is less, smaller the rail section

[d] Depth and Rail section same

**ANS: B**

4. Broad gauge is?

[a] 1.676m

[b] 1m

[c] 0.762m

[d] 0.610m

**ANS: A**


5. Grade compensation for MG is …… % per degree of curve?

[a] 0.04

[b] 0.03

[c] 0.02

[d] 0.01

**ANS: B**


6. Coning of wheels is done at a slope of?

[a] 1 in 10

[b] 1 in 20

[c] 1 in 30

[d] 1 in 15

**ANS: B**

7. Rail failure in which the rail may be completely broken either in a vertical plane or in an inclined plane?

[a] Crushed head

[b] Square or angular break

[c] Split head

[d] Split web

**ANS: B**

8. When rails are projected beyond shoulder sleeper it is termed as ….. rail joint?

[a] Supported

[b] Suspended

[c] Bridge

[d] Staggered

**ANS: B**

9. Composite sleeper index is the index of?

[a] Hardness and Strength

[b] Toughness and Strength

[c] Wear resistance and Toughness

[d] Wear resistance and Strength

**ANS: A**

10. The gradient which determines the maximum load that the engine can haul is?

[a] Momentum gradient

[b] Ruling gradient

[c] Pusher gradient

[d] Gradients at station yard

**ANS: B**