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Railway Engineering MCQ Test

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Q1. What is the standard dimensions of a wooden sleeper for a B.G. railway track?

- A. 1.52 m × 15 cm × 10 cm
- B. 1.83 m × 20 cm × 11 cm
- C. **2.74 m × 25 cm × 13 cm**
- D. 1.75 cm × 20 cm × 12 cm

Q2. How Indian Railway detects the rail flow?

- A. Soni Rail flow detector
- B. Audi-gauge Rail flow detector
- C. **Kraut Kramer Rail flow detector**
- D. Mitsubishi Rail flow detector

Q3. Rails are fixed on steel sleepers by

- A. Dog spikes
- B. Bearing plates
- C. **Keys in lugs or jaws**
- D. None of the above

Q4. The composite sleeper index is the index of which of the following?

- A. **Hardness and strength**
- B. Strength and toughness
- C. Wear resistance and hardness

- **D. Toughness and wear resistance**

Q5. What is the main function of a fish plate?

- A. Join rails with the sleeper
- **B. Join the two rails together**
- C. Allow rail to expand and contract freely
- D. None of the above

Q6. What is the purpose of providing fillet in a rail section?

- A. Increase the vertical stiffness
- B. Increase the lateral strength
- **C. Avoid the stress concentration**
- D. None of the above

Q7. types of sleepers is preferred on joints?

- A. CST-9 sleeper
- **B. Wooden sleeper**
- C. Concrete sleeper
- D. Steel trough sleeper

Q8. Pandrol clips are not used with CST-9 sleepers.

- **A. True**
- B. False

Q9. What is the minimum composite sleeper index for wooden sleepers used in cross-overs?

- A. 1152
- **B. 1352**
- C. 1252
- D. 1452

Q10. What is the main advantage of a cement concrete sleeper?

- A. Its capacity to maintain gauge
- B. Its suitability for track circuiting
- C. Its heavy weight which improves the track modulus
- **D. All of the above**

Q11. The sleepers resting directly on the girder are fastened to the top flange of the girder by

- A. Dog spikes
- **B. Hook bolts**
- C. Fang bolts
- D. Rail screws

Q12. The Indian railway system has been divided into for an effective administration.

- A. Six railway zones
- B. Four railway zones
- C. Seven railway zones
- **D. Nine railway zones**

Q13. Where is the research design and standard Organisation situated?

- A. New Delhi
- **B. Lucknow**
- C. Bangalore
- D. Mumbai

Q14. What is the name of the organization which is the research and development wing of Indian Railways?

- A. CRIS
- **B. RSDO**
- C. RDSO
- D. IRCTC

Q15. How many types the mountain alignment can be classified?

- **A. 2**
- B. 3
- C. 4
- D. 5

Q16. What are the types of railway sections?

- A. 2
- **B. 3**
- C. 4
- D. 5

Q17. Whether the track modulus is affected by the gauge?

- **A. Yes**
- B. No

Q18. Rails are manufactured by in india?

- A. Duplex process
- B. Open hearth process
- **C. Both A & B**
- D. None of the above

Q19. What is the best wood for wooden sleepers?

- A. Sal
- B. Teak
- **C. Shesham**
- D. Cheed

Q20. Which of the following type of switch is generally used for B.G. and M.G. tracks?

- A. Articulated
- B. Undercut
- **C. Over riding**
- D. Straight cut

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