

Electric Traction Objective Questions and Answers Pdf

1. In case of locomotives the tractive power is provided by
- a. single cylinder double acting steam engine
 - b. double cylinder, single acting steam engine
 - c. double cylinder, double acting steam engine
 - d. single stage steam turbine

Ans: C

2. Electric locomotives in India are manufactured at
- a. Jamalpur
 - b. Bangalore
 - c. Chittranjan
 - d. Gorakhpur

Ans: C

3. The speed of a superfast train is
- a. 60 kmph
 - b. 75 kmph
 - c. 100 kmph
 - d. more than 100 kmph

Ans: D

4. Which of the following state capitals is not on broad gauge track?
- a. Lucknow
 - b. Bhopal
 - c. Jaipur
 - d. Chandigarh

Ans: C

5. Which of the following is the advantage of electric braking?
- a. It avoid wear of track
 - b. motor continues to remain loaded during braking
 - c. it is instantaneous
 - d. more heat is generated during braking

Ans: A

6. Quadrilateral speed time curve pertains to which of the following services?
- a. main line service
 - b. urban service
 - c. sub urban service
 - d. urban and sub urban service

Ans: D

7. The rate of acceleration of suburban or urban services is restricted by the consideration of
- a. engine power
 - b. track curves

- c. passenger discomfort
- d. track size

Ans: C

8. Battery operated trucks are used in

- a. steel mills
- b. power stations
- c. narrow gauge traction
- d. factories for material transportation

Ans: D

9. For three phase induction motors which of the following is the least efficient method of speed control?

- a. cascade control
- b. pole changing
- c. rheostatic control
- d. combination of cascade and pole changing

Ans: C

10. Series motor is not suited for traction duty due to which of the following account?

- a. Less current drain on the heavy load torque
- b. current surges after temporary switching off supply
- c. self relieving property
- d. commutating property at heavy load

Ans: B