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**1. Which of the following is an advantage of electric traction over other methods of traction ?**

- (a) Faster acceleration
- (b) No pollution problems
- (c) Better braking action
- (d) All of the above

Ans: a

**2. Which of the following is the voltage for single phase A.C. system ?**

- (a) 22 V
- (b) 440 V
- (c) 5 kV
- (d) 15 kV
- (e) None of the above

Ans: a

**3. Long distance railways use which of the following ?**

- (a) 200 V D.C.
- (b) 25 kV single phase A.C.
- (c) 25 kV two phase A.C.
- (d) 25 kV three phase A.C.

Ans: b

**4. The speed of a locomotive is controlled by**

- (a) flywheel
- (b) gear box
- (c) applying brakes
- (d) regulating steam flow to engine

Ans:

**5. Main traction systems used in India are, those using**

- (a) electric locomotives
- (b) diesel engine locomotives
- (c) steam engine locomotives
- (d) diesel electric locomotives
- (e) all of the above

Ans: e

**6. In India diesel locomotives are manufactured at**

- (a) Ajmer
- (b) Varanasi
- (c) Bangalore
- (d) Jamalpur

Ans: b

**7. For diesel locomotives the range of horsepower is**

- (a) 50 to 200

- (b) 500 to 1000
- (c) 1500 to 2500
- (d) 3000 to 5000

Ans: c

**8. \_\_\_\_\_ locomotive has the highest operational availability.**

- (a) Electric
- (b) Diesel
- (c) Steam

Ans: a

**9. The horsepower of steam locomotives is**

- (a) up to 1500
- (b) 1500 to 2000
- (c) 2000 to 3000
- (d) 3000 to 4000

Ans: a

**10. The overall efficiency of steam locomotive is around**

- (a) 5 to 10 percent
- (b) 15 to 20 percent
- (c) 25 to 35 percent
- (d) 35 to 45 percent

Ans: a