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Industrial Drivers MCQ

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Q1. Which of the following motors is preferred for traction work?

- A. Universal motor
- **B. D.C. series motor**
- C. Synchronous motor
- D. Three-phase induction motor

Q2. Rotor of a motor is usually supported on _____ bearings.

- **A. Ball or roller**
- B. Needle
- C. Bush
- D. Thrust

Q3. The basic elements of an electric drive are ____.

- **A. Electric motor and the transmission system**
- B. Electric motor, the transmission and control system
- C. The transmission and control system
- D. Electric motor and conversion equipment

Q4. Which of the following motor is preferred for automatic drives?

- A. Shunt Motor
- B. Synchronous motors
- C. Squirrel cage induction motor
- **D. Ward Leonard controlled dc motors**

Q5. What is the use of DC motor?

- **A. Electric excavators, steel mills and cranes**
- B. Paper industry
- C. Flour Mills and Jaw crushers
- D. Lathes and machine tools

Q6. Which of the following machines has heavy fluctuating of load ?

- A. Printing machine
- B. Lathe
- C. Planer
- **D. Punching machine**

Q7. Which of the following motors has series characteristics?

- A. Shaded Pole motor
- **B. Repulsion motor**
- C. Capacitor start motor
- D. None of the above

Q8. Belted slip ring induction motor is almost invariably used for:

- A. Water pumps
- **B. Jaw crushers**
- C. Centrifugal blowers
- D. None of the above

Q9. Pony motor is used for the starting which of the following motors?

- A. Squirrel cage induction motor
- B. Schrage motor
- **C. Synchronous motor**
- D. None of the above

Q10. Heat control switches are used in ____.

- A. Transformers
- B. Three phase induction motors
- C. Cooling ranges
- D. Single face

Q11. The size of an excavator is usually expressed in terms of ____.

- A. "Crowd" motion
- B. Angle of swing
- C. Cubic meters
- D. Travel in meters

Q12. The capacity of a crane is expressed in terms of Tones.

- A. True
- B. False

Q13. Which of the following motors is used for elevators?

- A. Induction motor
- B. Synchronous motor
- C. Capacitor start single phase motor
- D. All of the above

Q14. Reluctance motor is a ____.

- A. Low torque variable speed motor
- B. Low noise, slow speed motor
- C. Variable torque motor
- D. Self starting type synchronous motor

Q15. Which feature, while selecting a motor for centrifugal pump, will be of least significance?

- **A. Speed control**
- B. Horse power
- C. Operating speed
- D. Starting characteristics

Q16. Which of the following happens when star-delta starter is used?

- A. Starting voltage is reduced
- B. Starting current is reduced
- **C. Both (A) and (B)**
- D. None of the above

Q17. In which of the following applications variable speed operation is preferred?

- A. Exhaust fan
- **B. Ceiling fan**
- C. Refrigerator
- D. Water pump

Q18. Which part of a motor needs maximum attention for maintenance?

- A. Frame
- **B. Rearing**
- C. Stator winding
- D. Rotor winding

Q19. Besides a constant speed a synchronous rotor possesses which of the following advantages?

- A. Lower cost
- B. Better efficiency
- **C. High power factor**
- D. All of the above

Q20. The selection of an electric motor for any application depends on which of the following factors?

- A. Electrical characteristics
- B. Mechanical characteristics
- C. Size and rating of motors
- **D. All of the above**

Q21. Heavy Duty Cranes Are Used In

- A. Ore handling plants
- B. Steel plants
- C. Heavy engineering workshops
- **D. All of the above**

Q22. Reluctance Motor Is A

- A. Variable torque motor
- B. Low torque variable speed motor
- **C. Self starting type synchronous motor**
- D. Low noise, slow speed motor

Q23. The Capacity Of A Crane Is Expressed In Terms Of

- A. Type of drive
- B. Span
- **C. Tonnes**
- D. Any of the above

Q24. Flame Proof Motors Are Used In

- A. Paper mills
- B. Steel mills
- C. Moist atmospheres
- **D. Explosive atmospheres**

Q25. Light Duty Cranes Are Used In Which Of The Following?

- A. Power houses
- B. Pumping stations
- C. Automobile workshops

- **D. All of the above**

Q26. The Size Of An Excavator Is Usually Expressed In Terms Of

- A. "Crowd" motion
- B. Angle of swing
- **C. Cubic meters**
- D. Travel in meters

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