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Electrical machine MCQ Quiz

Take Electrical machine Quiz to test your Knowledge

Below are few **Electrical machine MCQ** test that checks your basic knowledge of Electrical machine. This **Electrical machine Test** contains around 20 questions of multiple choice with 4 options. You have to select the right answer to a question. You can see the correct answer by clicking view answer link.

Q1. DC machine windings are -

- A. short pitched
- **B. full pitched**
- C. either of these
- D. none of the above

Q2. In a dc machine 4 pole lap winding is used. The number of parallel paths are?

- A. 1
- B. 2
- **C. 4**
- D. 8

Q3. Inter pole winding is connected in----- ?

- A. series with main poles
- B. parallel with armature
- C. parallel with main poles
- **D. series with armature**

Q4. Equalizer rings are used in which of the followings?

- A. wave winding
- B. lap winding
- C. Both 1 & 2
- D. none of the above

Q5. Which of the following machine will be preferred to charge the batteries?

- A. Series generator
- B. Series motor
- C. Shunt motor
- D. Shunt motor

Q6. The large number of slots in induction motor -

- A. Provides better overload capacity
- B. Provides bigger size of motor
- C. Reduces overload capacity
- D. Reduces the size of motor

Q7. The number of bushings in a transformer can be reduced if

- A. The tapping are provided at the high voltage side
- B. The tapping are provided at the phase ends
- C. The tapping are provided in middle of the transformer
- D. The tapping are provided on the low voltage side

Q8. The armature voltage control of dc motor will provides -

- A. Constant voltage drive
- B. Constant current drive
- C. Constant torque drive
- D. Constant torque drive

Q9. The air cores in transformers are preferred for -

- A. Low frequency transformers
- B. 5 kVA, 50 Hz transformers
- C. High frequency transformers

- D. All of the above

Q10. The amplidyne is -

- A. Half compensated cross field machine
- **B. Fully compensated cross field machine**
- C. Over-compensated cross field machine
- D. Under-compensated cross field machine

Q11. A differential relay comparator used for the protection of three phase transformers has -

- A. Three comparator
- B. Two comparator
- **C. Six comparator**
- D. One comparator

Q12. Scott connection is used for the conversion of -

- A. Three phase to single phase
- **B. Single phase to two phase**
- C. Single phase to three phase
- D. All of these

Q13. In a three phase transformer, the angle between two consecutive cores is -

- A. 30 degree
- B. 60 degree
- C. 150 degree
- **D. 120 degree**

Q14. The high leakage impedance transformers are suitable for the applications of -

- A. Personal computers
- B. Street lights
- **C. Arc welding**
- D. Electric lamp

Q15. In washing machines, most commonly used motors are -

- **A. Split phase induction motors**
- B. Capacitor start induction motors
- C. Slip ring induction motors
- D. Shaded pole induction motors

Q16. Which test is also called as back to back test?

- A. Retardation test
- B. Field test
- **C. Sumpner's test**
- D. Voltage drop test

Q17. Iron loss in a transformer mainly occurs in -

- A. iron made tank of transformer
- B. winding of transformer
- **C. steel core in transformer.**
- D. transformer insulating oil.

Q18. In one 132 / 33 kV transformer the LV resistance is 0.02 per unit. The resistance referred to HV side is -

- A. 0.01 pu.
- **B. 0.02 pu.**
- C. 0.08 pu.
- D. 0.16 pu.

Q19. A short circuit test on a transformer gives -

- A. copper loss at half load
- B. copper loss at full load
- **C. copper loss at any load**
- D. copper loss at over load.

Q20. Secondary winding of an auto transformer is also called -

- **A. common winding**
- B. tertiary winding
- C. damping winding
- D. compensating winding

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