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Transformer MCQ with Answers

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We have listed below the best **Transformer MCQ Questions** that check your basic knowledge of Transformers. This **Transformers MCQ Online Test** contains 25 Multiple Choice Questions. You have to select the right answer to the question. Finally, you can also download here the **Transformers MCQ PDF**.

Q1. Transformer was invented by

- A. Miksa Déri
- **B. Ottó Bláthy**
- C. Nikola Tesla
- D. Galileo Ferraris

Q2. What are the two main types of transformers?

- A. Core Type
- B. Shell Type
- **C. Both Core Type & Shell Type**
- D. None of the above

Q3. Which of the following has a differential relay comparator used for the protection of three phase transformers?

- A. Two comparator
- **B. Three comparator**
- C. Four comparator
- D. Five comparator

Q4. Which of the following losses will be minimum for a single phase no load transformer?

- **A. Copper losses**

- B. Hysteresis losses
- C. Eddy current losses
- D. Mechanical losses

Q5. Which is the most familiar application of zig - zag transformer?

- A. Reducing harmonics
- B. Converting single phase to two phase
- C. **Ground reference on an ungrounded system**
- D. None of the above

Q6. Scott connection is used for the conversion of

- A. **Single phase to two phase**
- B. Single phase to three phase
- C. Three phase to single phase
- D. None of the above

Q7. the most commonly used connections for large low voltage transformers.

- A. V connection
- B. Star - star connection
- C. **Delta - delta connection**
- D. None of the above

Q8. The angle between two consecutive cores is in a three phase transformer.

- A. 90 degree
- B. 30 degree
- C. **120 degree**
- D. 60 degree

Q9. High frequency and impulse currents are measured using:

- A. Inductive elements
- B. Hall effect devices
- C. Faraday effect devices
- D. **All of these**

Q10. A Tesla coil is a.....

- **A. High frequency resonant transformer**
- B. Low impedance transformer
- C. Coreless transformer
- D. Cascaded transformer

Q11. Which of the following is a polar dielectric ?

- A. Polyethylene
- B. Quartz
- **C. Nylon**
- D. Teflon

Q12. At city substation, the AC is stepped down to.....

- A. 120 V
- B. 130 V
- **C. 220 V**
- D. 320 V

Q13. Large capacity generators are manufactured to generate power at.....

- A. 440 kV
- B. 400 kV
- **C. 6.3 to 10.5 kV**
- D. 132 kV to 220 kV

Q14. Impulse voltages are characterized by.....

- A. Polarity
- B. Peak value
- C. Time of half the peak value
- **D. None of the above**

Q15. Cascaded transformer is used for.....

- A. AC voltage generation
- B. DC voltage generation
- C. Both A and B
- D. None

Q16. The dielectric strength of glass is.....

- A. 500 kV/in
- B. 1000 – 2000 kV/in
- C. 2000 – 3000 kV/in
- D. 5000 kV/in

Q17. Efficiency of a power transformer is of the order of.....

- A. 100 percent
- B. 98 percent
- C. 50 percent
- D. 25 percent

Q18. Two transformers operating in parallel will share the load depending upon their.....

- A. Ratings
- B. Efficiencies
- C. Leakage reactance
- D. Per unit impedance

Q19. Noise level test in a transformer is a

- A. Type test
- B. Routine test
- C. Special test
- D. None of the above

Q20. A transformer oil must be free from

- A. Gases
- B. Sludge

- C. Odour
- **D. Moisture**

Q21. Generator transformers are which type of transformer?

- A. Auto-transformers
- **B. Step-up transformers**
- C. One-one transformers
- D. Step-down transformers

Q22. In the CCGT, how many step-up transformers will require?

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

Q23. Which of the following is one of the criteria of selecting particular generator transformer?

- A. Low LV currents
- B. High impedance
- C. Low HV voltage
- **D. On-load tap-changer**

Q24. Power transformers are designed to have maximum efficiency at

- A. 50% load
- B. 80% load
- C. No Load
- **D. Full Load**

Q25. If the supply frequency of a transformer increases, the secondary output voltage of the transformer

- A. Increase
- B. Decrease
- **C. Remains same**
- D. None of above

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