



## **ELECTRICAL & ELECTRONICS ENGINEERING**

- 1) What is the difference between Electronics and Electrical?
- 2) What is a System?
- 3) What is Control System?
- 4) What are different types of Control Systems?
- 5) What is a feedback in Control System?
- 6) Why Negative Feedback is preferred in the Control System?
- 7) What is the effect of positive feedback on stability of the system?
- 8) What is Latching current?
- 9) What is Holding current?
- 10) Why thyristor is considered as Charge controlled device?
- 11) What are the different losses that occur in thyristor while operating?
- 12) What is meant by knee point voltage?
- 13) What is reverse power relay?
- 14) What will happen if DC supply is given on the primary of a transformer?
- 15) What is the difference between isolators and electrical circuit breakers? What is bus-bar?
- 16) What are the advantages of freewheeling diode in a Full Wave rectifier?
- 17) Mention the methods for starting an induction motor?
- 18) What is the power factor of an alternator at no load?
- 19) What is the function of anti-pumping in circuit breaker?
- 20) What is stepper motor? What are its uses?
- 21) There are a Transformer and an induction machine. Those two have the same supply. For which device the load current will be maximum? And why?
- 22) What is SF6 Circuit Breaker?
- 23) What is ferranti effect?
- 24) What is meant by insulation voltage in cables? Explain it?
- 25) What is the difference between MCB & MCCB, Where it can be used?
- 26) Where the lightning arrestor should be placed in distribution lines?
- 27) Define IDMT relay?
- 28) What are the transformer losses?
- 29) What is the full form of KVAR?
- 30) Two bulbs of 100w and 40w respectively connected in series across a 230v supply which bulb will glow bright and why?
- 31) Why temperature rise is conducted in bus bars and isolators?
- 32) What is the difference between synchronous generator & asynchronous generator?
- 33) What is Automatic Voltage regulator (AVR)?
- 34) Difference between a four point starter and three point starter?
- 35) Why the capacitors work on ac only?
- 36) How many types of cooling system it transformers?



- 37) Which type of Operation carried out in Thermal power stations?
- 38) What is 2 phase motor?
- 39) What is the principle of motor?
- 40) What is meant by armature reaction?
- 41) What is the difference between synchronous generator & asynchronous generator?
- 42) What is MARX CIRCUIT?
- 43) What are the advantages of speed control using thyristor?
- 44) What is ACSR cable and where we use it?
- 45) What's the difference between UPS & inverter?
- 46) What will happen when power factor is leading in distribution of power?
- 47) What are the advantages of star-delta starter with induction motor?
- 48) Why Delta Star Transformers are used for Lighting Loads?
- 49) Why computer humming sound occurred in HT transmission line?
- 50) What is rated speed?
- 51) If one lamp connects between two phases it will glow or not?