

## ELECTRICIAN

1. The insulation two segment of commentator is-----
  - (a) Paper.
  - (b) Fiber.
  - (c) Mica
  - (d) Varnish.
2. The materials used for motor stampings is-----
  - (a) Silicon Steel.
  - (b) Carbon steel.
  - (c) High carbon steel.
  - (d) Cast iron.
3. Induction type energy meters measure Electronic energy in.
  - (a) KW.
  - (b) WH
  - (c) KWH
  - (d) VAR.
4. Potentiometer may be used for.
  - (a) Measurement of Resistance.
  - (b) Measurement of Current.
  - (c) Calibration of Ammeter Voltage.
  - (d) All the above.
5. Which of the following does not change in a Transformer.
  - (a) Current.
  - (b) Voltage.
  - (c) Frequency.
  - (d) All the above.
6. A transformer core is laminated to Reduce.
  - (a) Hysteresis loss.
  - (b) Cupper loss.
  - (c) Eddy current loss.
  - (d) All the Above.
7. No lord on a Transformer is carried out to determine .
  - (a) Copper loss.
  - (b) Magnetising current.
  - (c) Magnetising current & loss.
  - (d) Efficiency of the Transfore.
  
8. If shut motor field open at running condition then .
  - (a) Motor speed decreases.
  - (b) Motor stop.
  - (c) Motor Run Normally.
  - (d) Motor speed increases.
9. -----Method is used for speed control from Zero to desired value for DC motor.
  - (a) Word lenord method.
  - (b) Armature control method.
  - (c) Field diverter method.

- (d) None of these.
10. An house hold energymetr is-----
- An indicating instruments.
  - A recording instrument.
  - An integrating instruments.
  - None of these.
11. Turbo alter nature are generally used to runat.-----
- 1000rpm
  - 300rpm
  - 5000rpm
  - 1500rpm
12. Control spring are made up of-----
- Phospar branze.
  - Copper
  - Silver.
  - Steel.
13. In transformer the lapping are generally provided an-----
- Primary side.
  - Secondary side.
  - Low voltage side.
  - High voltage side.
14. Starters are used for -----purposes.
- To control the speed.
  - Control the starting point.
  - Both A 7 B.
  - None of these.
15. Minimum Height from floor to source of light is as per ISI is-----
- 2.25mtr
  - 2mtr
  - 1.75mtr
  - 2.5mtr
16. How many electrical degree are there is a cycle.-----
- 90°
  - 180°
  - 360°
  - 270°
17. The chemical used in breather is-----
- Asbestos file
  - Sodium chloride.
  - Silica sand.
  - Sailica gel.
18. Reactive power in AC Circuit can be calculated by-----
- $V_i$
  - $V$
  - $V$
  - $V$
19. Illumination of one lumen per SQ meter is called.....
- Lumen Meter.

- (b) Lux.
  - (c) Food cannel.
  - (d) Candle.
20. Power factor-----
- (a) Z/R
  - (b) B/S
  - (c) X/C
  - (d) R/Z
21. Material used for construction of transformer core is usually -----
- (a) wood
  - (b) Copper.
  - (c) Aluminum.
  - (d) Silicon steel.
22. 4 pole 1500 rpm alternator will generate at-----
- (a) 20HZ
  - (b) 40HZ
  - (c) 50HZ
  - (d) 60HZ
23. White conducting short ckt test on a transformer the following side is should circulated.
- (a) Low voltage winding.
  - (b) Primary winding.
  - (c) High voltage winding.
  - (d) Secondary winding.
24. All Machines are rated in-----
- (a) KVA
  - (b) KW
  - (c) KVAR
  - (d) HP
25. The machines are rated in-----
- (a) Short.
  - (b) Series.
  - (c) Compound.
  - (d) None of these.
26. Flemings left hand rule may be applied to an electronic generator to find out direction of-----
- (a) Magnetic field.
  - (b) Induced emu
  - (c) Retort rotation
  - (d) None of these.
27. In majority of instrument damping is provided by .
- (a) Fluid friction
  - (b) Spring
  - (c) Eddy current.
  - (d) All of the above.
28. An ammeter is a -----
- (a) Secondary instrument.
  - (b) Absolute instrument.
  - (c) Recording instrument.
  - (d) Intriguing instrument.
29. The multiple and the meter coil in voltage are in .-----.
- (a) Series.

- (b) Parallel.
  - (c) Series & parallel.
  - (d) None of these.
30. A moving iron instrument can be used for-----.
- (a) DC only.
  - (b) AC only.
  - (c) Both A& B.
  - (d) None of these.
31. A diameter wattmeter can be used for -----.
- (a) Both AC&DC
  - (b) DC only
  - (c) Ac only
  - (d) All of the above.
32. Material used for construction of transformer core is usually.
- (a) Wood
  - (b) Copper.
  - (c) Silicon
  - (d) Aluminum.
33. The function of conservator in a transformer is
- (a) To protect against internal fault
  - (b) To cool the transformer oil
  - (c) To reduce copper as well as core loss
  - (d) To take care of the expansion on contraction of transformer oil due to variation of temperature of surrounding
34. Delta star transformer works satisfactory when .
- (a) Load is balanced only.
  - (b) Load is unbalanced only
  - (c) Balanced as well as unbalanced loads.
  - (d) None of these.
35. An ideal transformer will have maximum efficiency at a load such that.
- (a) Copper=Iron
  - (b) Copper loss>iron loss
  - (c) Copper loss<iron loss
  - (d) None of these.
36. Star delta transformer works satisfactory when .
- (a) Load is unbalanced only..
  - (b) Load is balanced only.
  - (c) On balanced as well as unbalanced loads.
  - (d) None of these.
37. The Magnetizing current of a transformer is usually small because it has.
- (a) Small air gap.
  - (b) Large leakage flux.
  - (c) Laminated silicon steel core.
  - (d) Fewer rotating parts.
38. A transformer can have zero voltage regulation at
- (a) Leading power factor
  - (b) Lagging power factor.
  - (c) Unity power factor.
  - (d) Zero power factor.
39. In a transformer the resistance between its primary & secondary should be.

- (a) Zero.
- (b) 100
- (c) 102
- (d) Infinity.

40. In a portable instrument the controlling torque is provided by.

- (a) Spring.
- (b) Gravity.
- (c) Eddy current.
- (d) All of the above.

41. For measuring a very high regulation we should use .

- (a) Kelvin Bridge.
- (b) Wheat stone Bridge.
- (c) Muggler.
- (d) None of these.

42. Which of the following are interesting instrument ?

- (a) Ammeter.
- (b) Voltmeter.
- (c) Wattmeter.
- (d) Ampere hours and watt-hour meter.

43. Which of the following devices may be used for extending the range of instruments.

- (a) Shunt
- (b) Multipliers.
- (c) C.T.
- (d) All the above.

44. An induction meter can handle current up to .

- (a) 10A
- (b) 30A
- (c) 60A
- (d) 100A

45. Which instrument measures the total quantity of a electricity delivered in a particular time.

- (a) Absolute.
- (b) Indicating .
- (c) Recording
- (d) Integrating.

46. Due to moonlight illumination is nearly.

- (a) 3000lumens/m<sup>2</sup>
- (b) Lum/m<sup>2</sup>
- (c) 30lum/m<sup>2</sup>
- (d) 0.3lum/m<sup>2</sup>

47. In sv lamps the function of the leak transformer is -----

- (a) To stabilize the ARC.
- (b) To reduce the supply voltage.
- (c) Both A&B

(d) None of these.

48. Most affected parameter of a filament lamp due to voltage change is.

- (a) Wattage.
- (b) Life
- (c) Luminous efficiency.
- (d) Light o/p.

49. In a transformer the energy is transferred from the primary to secondary.

- (a) Through coiled coil.
- (b) Through oil.
- (c) By the flux.
- (d) None of these.

50. A multimeter can be used for measuring .

- (a) DC only
- (b) AC only.
- (c) D.C. as well as A.C.
- (d) None of the above.

51. The level of illumination on a surface depends on.

- (a) Ambient temperature.
- (b) Candle power of the source.
- (c) Distance of the source.
- (d) Type of reflector used.

52. The power factor of an alternator is determined by its.

- (a) Prime mover.
- (b) Excitation
- (c) Speed
- (d) Loads.

53. A reflector is provided to.

- (a) Protect the lamp.
- (b) Provide better illumination.
- (c) Avoid Glare.
- (d) All the above.

54. In an alternator the armature reaction is mainly influenced by .

- (a) The PF of the load.
- (b) Short circuit ratio.
- (c) Speed of the alternator.
- (d) Total current drawn.

55. The color of sodium carbonate discharge lamp is .

- (a) Red.
- (b) Pinky.
- (c) Yellow.

(d) Green.

56.The purpose of coating the fluorescent tube from inside with white powder is.

(a) To improve its life.

### ANSWERS

1-Answer: (C)

2-Answer: (A)

3-Answer: (C)

4-Answer: (D)

5-Answer: (C)

6-Answer: (C)

7-Answer: (C)

8-Answer: (D)

9- Answer: (A)

10-Answer : (C)

11-Answer: (B)

12-Answer: (A)

13-Answer: (C)

14-Answer: (A)

15-Answer: (D)

16-Answer: (C)

17-Answer: (D)

18-Answer: (B)

19-Answer: (B)

20-Answer: (D)

21-Answer: (D)

22-Answer: (C)

23-Answer: (A)

24-Answer: (A)

25-Answer: (B)

26-Answer: (B)

27-Answer: (C)

28-Answer: (A)

29-Answer: (A)

30-Answer: (C)

31-Answer: (A)

32-Answer: (C)

33-Answer: (D)

34-Answer: (C)

35-Answer: (A)

36-Answer: (B)

37-Answer: (A)

38-Answer: (A)

39-Answer: (D)

40-Answer: (D)

41-Answer: (C)

42-Answer: (D)

43-Answer: (D)

44-Answer: (D)

45-Answer: (D)

46-Answer: (D)

47-Answer: (C)

48-Answer: (B)

49-Answer: (C)

50-Answer: (C)

51-Answer: (A)

52-Answer: (D)

53-Answer: (D)

54-Answer: (A)

55-Answer: (C)

