

ITI Quiz - 21-May-2026

06:02 PM

Q. ID: ITISKILL2731FJ

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Answer Key

Duration: 60 Mins

Total Marks: 56

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1. Which band is used for UHF in International Telecommunication System?

- A) Band 11
- B) Band 6
- C) Band 9
- D) Band 4

Answer: C) Band 9

2. Which metal has very good conductivity to the electric current?

- A) Aluminium
- B) Silver
- C) Copper
- D) Gold

Answer: B) Silver

3. Which type of wave is generated in Schmitt trigger circuit?

- A) Square wave
- B) Saw tooth wave
- C) Sine wave
- D) Triangular wave

Answer: A) Square wave

4. Which function control in CRO, adjust the trace sharper?

- A) Time/Div trigger
- B) Amplitude (V/Div)
- C) Intensity
- D) Focus

Answer: D) Focus

5. Which fire extinguisher is used to put off class C type of fire?

- A) Jet of water
- B) Carbon-di-oxide
- C) Foam type
- D) Dry powdered

Answer: D) Dry powdered

6. How power rating is specified for transformers?

- A) Volt ampere (VA)
- B) Watts (W)
- C) Horse power (HP)
- D) Voltage (V)

Answer: A) Volt ampere (VA)

7. Which frame is used for winding the coil of PMMC meter?

- A) Wooden frame
- B) Steel frame
- C) Ceramic frame
- D) Aluminium frame

Answer: D) Aluminium frame

8. Find the total resistance value of 10 ohms and 20 ohms connected in parallel.

- A) 66.66 Ohms
- B) 6666 Ohms
- C) 6.666 Ohms
- D) 666.6 Ohms

Answer: C) 6.666 Ohms

9. What is the range of current rating of lead acid batteries used in automobiles?

- A) 2.5 to 4.5 Amp
- B) 100 to 400 Amp
- C) 5 to 10 Amp
- D) 10 to 25 Amp

Answer: B) 100 to 400 Amp

10. What is the cause of injuring at the time of lifting a load?

- A) Falling object
- B) Object striking the load
- C) Wrong lifting technique
- D) Heavy load

Answer: C) Wrong lifting technique

11. What is the full form of the abbreviation PMMC meter?

- A) Permanent Magnet Moving Coil meter
- B) Parallel Magnet Moving Coil meter
- C) Principle Magnet Moving Coil meter
- D) Position Magnet Moving Coil meter

Answer: A) Permanent Magnet Moving Coil meter

12. How batteries are classified?

- A) Button cells and lithium cells
- B) Cylindrical cells and rectangular cells
- C) Primary cells and secondary cells
- D) Dry cells and alkaline cells

Answer: C) Primary cells and secondary cells

13. What is the name of effect of changing current in one coil, induces EMF in nearby coil?

- A) Induction
- B) Self induction
- C) Mutual induction
- D) Coupling

Answer: C) Mutual induction

14. Which material contains eight electrons in valency layer?

- A) Semiconductors
- B) Conductors
- C) Insulators
- D) Intrinsic semiconductors

Answer: C) Insulators

15. Which material conducts electricity?

- A) Mica
- B) Glass
- C) Copper
- D) Paper

Answer: C) Copper

16. What is the purpose of standard wire gauge (SWG)?

- A) Measure diameter of wire
- B) Measure current

- C) Measure voltage
D) Measure insulation of wire

Answer: A) Measure diameter of wire

17. Which class of fire is classified involving metals?

- A) Class A
B) Class D
C) Class B
D) Class C

Answer: B) Class D

18. Which is the maximum size of drill bit used in electrical hand drilling machine?

- A) 6.5 mm
B) 1.5 mm
C) 3.5 mm
D) 0.35 mm

Answer: A) 6.5 mm

19. How the gas and liquefied gases are classified

- A) Class D fire
B) Class A fire
C) Class B fire
D) Class C fire

Answer: C) Class B fire

20. What is the unit of inductance?

- A) Joule
B) Farad
C) Watts
D) Henry

Answer: D) Henry

21. What is the total voltage of six 1.5 V cells, connected in series?

- A) 12 VDC
B) 9 VDC
C) 3 VDC
D) 6 VDC

Answer: B) 9 VDC

22. What is the first step to rescue the person in electrical contact?

- A) Break the contact
B) Switch OFF power supply
C) Call the doctor
D) Pull the person from electrical contact

Answer: B) Switch OFF power supply

23. Why the transformer core is made as thin laminations?

- A) To maximize eddy current losses
B) To minimize eddy current losses
C) To increase the hysteresis losses
D) To increase core saturation losses

Answer: B) To minimize eddy current losses

24. Which electrode controls brightness of the image on the screen of oscilloscope?

- A) Focussing electrode
B) Anode
C) Cathode
D) Control grid

Answer: D) Control grid

25. Which materials are used for semiconductor?

- A) Silicon and germanium
B) Silver and aluminium
C) Gallium and indium
D) Arsenic and antimony

Answer: A) Silicon and germanium

26. Which bearing is supporting the shaft of moving coil assembly in a PMMC instrument?

- A) Jewelled bearings
B) Gun metal bearings
C) Bush bearings
D) Steel bearings

Answer: A) Jewelled bearings

27. What is the reason for electric fire?

- A) Open circuit
B) Overloading
C) Proper earthing
D) Deviation

Answer: B) Overloading

28. What is the unit of electric charge?

- A) Coulomb
B) Volts
C) Hertz
D) Ampere

Answer: A) Coulomb

29. Which component opposes any change in current?

- A) Resistor
B) Inductor
C) Diode
D) Capacitor

Answer: B) Inductor

30. Which meter is used to find the exact resistance value of resistors?

- A) Watt meter
B) Volt meter
C) Ohm meter
D) Ammeter

Answer: C) Ohm meter

31. How the single strand wire is called?

- A) Hook up wire
B) Twisted wire
C) Flexible wire
D) Multi strand wire

Answer: A) Hook up wire

32. Which unit is used to measure capacitance value?

- A) Mho
B) Farad
C) Henry
D) Ohm

Answer: B) Farad

33. Electrical conductivity of gold is

- A) 56%
B) 94%
C) 100%
D) 67%

Answer: D) 67%

34. What is the use of screw driver?

- A) Tighten or loosen bolts
B) Tighten or loosen rivets
C) Tighten or loosen screws
D) Hold the screws

Answer: C) Tighten or loosen screws

35. What is the shape of warning sign board?

- A) Hexagonal shape
- B) Square shape
- C) Circular shape
- D) Triangular shape

Answer: D) Triangular shape

36. How many electrons are contained in coulomb of electric charge?

- A) 6.25×10^{12} electrons
- B) 6.25×10^{16} electrons
- C) 6.25×10^{18} electrons
- D) 6.25×10^8 electrons

Answer: C) 6.25×10^{18} electrons

37. What is the shape of mandatory signs?

- A) Rectangular
- B) Square
- C) Triangular
- D) Circular

Answer: D) Circular

38. Which property of the capacitor stores electrical energy in electrostatic field?

- A) Dielectric
- B) Capacitance
- C) Stray capacitance
- D) Capacitive reactance

Answer: D) Capacitive reactance

39. Which electrolyte is used in lead-acid battery?

- A) Sulphuric acid
- B) Zinc chloride
- C) Potassium hydroxide solution
- D) Alkaline solution

Answer: A) Sulphuric acid

40. Which parameter is measured by a multimeter?

- A) Frequency
- B) Voltage
- C) Energy
- D) Time duration

Answer: B) Voltage

41. Which energy is converted by the battery to produce electricity?

- A) Electrical energy into light energy
- B) Electrical energy into mechanical energy
- C) Mechanical energy into electrical energy
- D) Chemical energy into electrical energy

Answer: D) Chemical energy into electrical energy

42. How batteries are classified based on their working?

- A) Dry cells and alkaline cells
- B) Primary cells and secondary cells
- C) Cylindrical cells and rectangular cells
- D) Button cells and lithium cells

Answer: B) Primary cells and secondary cells

43. Which factor determines the inductance value?

- A) Frequency of the current
- B) Material of the coil
- C) Current flow through the coil
- D) Diameter of the coil

Answer: D) Diameter of the coil

44. Which meter movement is not affected by stray magnetic fields?

- A) MI meter - attraction type
- B) MI meter - Repulsion type
- C) PMMC meter
- D) Thermo couple meter

Answer: C) PMMC meter

45. Find the total inductance value of two inductors 10H and 15H of connected in series.

- A) 15 H
- B) 10 H
- C) 25 H
- D) 05 H

Answer: C) 25 H

46. Which tool is used for the simplest method of skinning wires?

- A) Electrician's knife
- B) Mechanical wire stripper
- C) Thermal wire stripper
- D) Manual wire stripper

Answer: A) Electrician's knife

47. What is the purpose of covering provided over the electrical conductor?

- A) Protection against weather
- B) Increase current flow
- C) Reduce current flow
- D) Decrease voltage rating

Answer: A) Protection against weather

48. Which meter uses a moving coil for measurement?

- A) MI repulsion type
- B) PMMC meter
- C) MI attraction type
- D) LCR meter

Answer: B) PMMC meter

49. What is the colour code for 100 Ohm resistor?

- A) Brown, brown, brown
- B) Brown, black, brown
- C) Black, brown, black
- D) Brown, black, red

Answer: B) Brown, black, brown

50. Which electrical parameter opposes the flow of electrons?

- A) Power
- B) Current
- C) Voltage
- D) Resistance

Answer: D) Resistance

51. What is the name of the pair of metal strips used in battery cell?

- A) Electrodes
- B) Carbon rod
- C) Cathode
- D) Electrolyte

Answer: A) Electrodes

52. What is the unit of electric charge?

- A) Hertz
- B) Volts
- C) Coulomb
- D) Ampere

Answer: C) Coulomb

53. Which value is equal to one picofarad?

- A) 10⁻⁶ Farad
- B) 10⁶ Farad
- C) 10⁻¹² Farad
- D) 10¹² Farad

Answer: C) 10⁻¹² Farad

54. Which instrument used to measure resistance, capacitance and inductance?

- A) Kelvin bridge
- B) Wheatstone bridge

C) Wein bridge

D) LCR bridge

Answer: D) LCR bridge

55. What is the percentage of conductivity of electric current in silver?

- A) 0.67
- B) 1
- C) 0.56
- D) 0.94

Answer: B) 1

56. Which fire extinguisher is used to put off class A type of fire?

- A) Dry powdered
- B) Foam type
- C) Carbon-di-oxide
- D) Jet of water

Answer: D) Jet of water
