

ITI Quiz - 21-May-2026 06:02 PM

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Attempt No.	#1	Completion Time	01:59 AM
Rank	#19	Total Questions	56

24 SCORE

56 MAX MARKS

24 CORRECT

32 INCORRECT

Answer Review

Q1 **INCORRECT** Which bearing is supporting the shaft of moving coil assembly in a PMMC instrument?

A. Steel bearings ☐

B. Bush bearings ☐

C. Jewelled bearings ☒

D. Gun metal bearings ☐

Q2 **INCORRECT** What is the full form of the abbreviation PMMC meter?

A. Parallel Magnet Moving Coil meter ☐

B. Position Magnet Moving Coil meter ☐

C. Principle Magnet Moving Coil meter ☐

D. Permanent Magnet Moving Coil meter ☒

Q3 **INCORRECT** Which type of wave is generated in Schmitt trigger circuit?

A. Sine wave ☐

B. Square wave ☒

C. Saw tooth wave ☐

D. Triangular wave ☐

Q4 **INCORRECT** Which electrode controls brightness of the image on the screen of oscilloscope?

A. Anode ☐

B. Cathode

C. Control grid ☐

D. Focussing electrode

Q5 **INCORRECT** Which band is used for UHF in International Telecommunication System?

A. Band 4 ☐

B. Band 6

C. Band 9 ☐

D. Band 11

Q6 **CORRECT** Which parameter is measured by a multimeter?

A. Voltage ☐

B. Energy

C. Frequency

D. Time duration

Q7 **CORRECT** Which instrument used to measure resistance, capacitance and inductance?

A. LCR bridge ☐

B. Wein bridge

C. Kelvin bridge

D. Wheatstone bridge

Q8 **INCORRECT** Which function control in CRO, adjust the trace sharper?

A. Focus ☐

B. Intensity ☐

C. Time/Div trigger

D. Amplitude (V/Div)

Q9 **INCORRECT** Which meter uses a moving coil for measurement?

A. LCR meter ☐

B. PMMC meter ☐

C. MI repulsion type

D. MI attraction type

Q10 **INCORRECT** Which meter movement is not affected by stray magnetic fields?

A. PMMC meter ☐

B. Thermo couple meter ☐

C. MI meter - attraction type

D. MI meter - Repulsion type

Q11 **INCORRECT** Which frame is used for winding the coil of PMMC meter?

A. Steel frame

B. Wooden frame

C. Ceramic frame ☐

D. Aluminium frame ☐

Q12 **INCORRECT** How power rating is specified for transformers?

A. Watts (W)

B. Voltage (V) ☐

C. Volt ampere (VA) ☒

D. Horse power (HP)

Q13 **INCORRECT** Which component opposes any change in current?

A. Diode

B. Resistor ☐

C. Inductor ☒

D. Capacitor

Q14 **INCORRECT** What is the unit of inductance?

A. Joule ☐

B. Farad

C. Henry ☒

D. Watts

Q15 **CORRECT** Which value is equal to one picofarad?

A. 106 Farad

B. 1012 Farad

C. 10-6 Farad

D. 10-12 Farad ☒

Q16 **INCORRECT** Which factor determines the inductance value?

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

Q17 **INCORRECT** What is the colour code for 100 Ohm resistor?

- A. Brown, black, red ☐
- B. Black, brown, black
- C. Brown, black, brown ☐
- D. Brown, brown, brown

Q18 **INCORRECT** Which property of the capacitor stores electrical energy in electrostatic field?

- A. Dielectric
- B. Capacitance ☐
- C. Stray capacitance
- D. Capacitive reactance ☐

Q19 **CORRECT** Which unit is used to measure capacitance value?

- A. Mho
- B. Ohm
- C. Farad ☐
- D. Henry

Q20 **CORRECT** Which meter is used to find the exact resistance value of resistors?

A. Ammeter

B. Volt meter

C. Ohm meter ☒

D. Watt meter

Q21 **CORRECT** Find the total resistance value of 10 ohms and 20 ohms connected in parallel.

A. 6.666 Ohms ☒

B. 66.66 Ohms

C. 666.6 Ohms

D. 6666 Ohms

Q22 **CORRECT** Find the total inductance value of two inductors 10H and 15H of connected in series.

A. 05 H

B. 10 H

C. 15 H

D. 25 H ☒

Q23 **INCORRECT** What is the name of effect of changing current in one coil, induces EMF in nearby coil?

A. Coupling ☐

B. Induction

C. Self induction

D. Mutual induction ☒

Q24 **INCORRECT** Why the transformer core is made as thin laminations?

A. To minimize eddy current losses ☒

B. To increase the hysteresis losses

C. To maximize eddy current losses

D. To increase core saturation losses ☐

Q25 **INCORRECT** How the gas and liquefied gases are classified

A. Class A fire

B. Class B fire ☒

C. Class C fire

D. Class D fire ☐

Q26 **CORRECT** Which fire extinguisher is used to put off class C type of fire?

A. Foam type

B. Jet of water

C. Dry powdered ☒

D. Carbon-di-oxide

Q27 **INCORRECT** Which fire extinguisher is used to put off class A type of fire?

A. Foam type

B. Jet of water ☒

C. Dry powdered ☐

D. Carbon-di-oxide

Q28 **CORRECT** What is the shape of mandatory signs?

- A. Square
- B. Circular ☒
- C. Triangular
- D. Rectangular

Q29 **CORRECT** What is the shape of warning sign board?

- A. Square shape
- B. Circular shape
- C. Triangular shape ☒
- D. Hexagonal shape

Q30 **INCORRECT** Which class of fire is classified involving metals?

- A. Class A
- B. Class B ☐
- C. Class C
- D. Class D ☒

Q31 **CORRECT** What is the use of screw driver?

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

Q32 **CORRECT** Which is the maximum size of drill bit used in electrical hand drilling machine?

A. 0.35 mm

B. 1.5 mm

C. 3.5 mm

D. 6.5 mm ☒

Q33 **CORRECT** What is the first step to rescue the person in electrical contact?

A. Break the contact

B. Call the doctor

C. Switch OFF power supply ☒

D. Pull the person from electrical contact

Q34 **CORRECT** What is the reason for electric fire?

A. Deviation

B. Open circuit

C. Overloading ☒

D. Proper earthing

Q35 **INCORRECT** What is the cause of injuring at the time of lifting a load?

A. Heavy load ☐

B. Falling object

C. Object striting the load

D. Wrong lifting technique ☒

Q36 **INCORRECT** Electrical conductivity of gold is

A. 56%

B. 67% ☐

C. 94%

D. 100% ☐

Q37 **CORRECT** What is the unit of electric charge?

A. Volts

B. Hertz

C. Ampere

D. Coulomb ☐

Q38 **INCORRECT** Which material contains eight electrons in valency layer?

A. Insulators ☐

B. Conductors

C. Semiconductors ☐

D. Intrinsic semiconductors

Q39 **CORRECT** Which electrical parameter opposes the flow of electrons?

A. Power

B. Voltage

C. Current

D. Resistance ☐

Q40 **INCORRECT** How the single strand wire is called?

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

Q41 **INCORRECT** What is the purpose of covering provided over the electrical conductor?

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

Q42 **INCORRECT** Which material conducts electricity?

- A. Mica ☐
- B. Paper
- C. Glass
- D. Copper ☐

Q43 **INCORRECT** How many electrons are contained in coulomb of electric charge?

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

Q44 **CORRECT** What is the percentage of conductivity of electric current in silver?

A. 0.56

B. 0.67

C. 0.94

D. 1 ☒

Q45 **CORRECT** Which metal has very good conductivity to the electric current?

A. Gold

B. Copper

C. Silver ☒

D. Aluminium

Q46 **CORRECT** Which materials are used for semiconductor?

A. Gallium and indium

B. Silver and aluminium

C. Arsenic and antimony

D. Silicon and germanium ☒

Q47 **INCORRECT** What is the purpose of standard wire gauge (SWG)?

A. Measure current

B. Measure voltage

C. Measure diameter of wire ☒

D. Measure insulation of wire ☐

Q48 **INCORRECT** Which tool is used for the simplest method of skinning wires?

A. Electrician's knife ☐

B. Manual wire stripper ☐

C. Thermal wire stripper ☐

D. Mechanical wire stripper ☐

Q49 **INCORRECT** What is the name of the pair of metal strips used in battery cell?

A. Cathode ☐

B. Electrolyte ☐

C. Electrodes ☐

D. Carbon rod ☐

Q50 **CORRECT** Which electrolyte is used in lead-acid battery?

A. Zinc chloride ☐

B. Sulphuric acid ☐

C. Alkaline solution ☐

D. Potassium hydroxide solution ☐

Q51 **CORRECT** How batteries are classified?

A. Dry cells and alkaline cells ☐

B. Button cells and lithium cells ☐

C. Primary cells and secondary cells ☐

D. Cylindrical cells and rectangular cells ☐

Q52 **INCORRECT** What is the unit of electric charge?

A. Volts

B. Hertz

C. Ampere ☐

D. Coulomb ☐

Q53 **CORRECT** How batteries are classified based on their working?

A. Dry cells and alkaline cells

B. Button cells and lithium cells

C. Primary cells and secondary cells ☐

D. Cylindrical cells and rectangular cells

Q54 **INCORRECT** What is the range of current rating of lead acid batteries used in automobiles?

A. 5 to 10 Amp

B. 10 to 25 Amp ☐

C. 2.5 to 4.5 Amp

D. 100 to 400 Amp ☐

Q55 **CORRECT** Which energy is converted by the battery to produce electricity?

A. Electrical energy into light energy

B. Chemical energy into electrical energy ☐

C. Mechanical energy into electrical energy

D. Electrical energy into mechanical energy

Q56 **CORRECT** What is the total voltage of six 1.5 V cells, connected in series?

A. 3 VDC

B. 6 VDC

C. 9 VDC ☒

D. 12 VDC