ITI Ankola

ITI Quiz - 05-Feb-2026 11:03 AM

Q. ID: ITISKILL5633EH | February 2026

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Attempt No.	#1	Completion Time	11:29 AM
Rank	#11	Total Questions	25

14 SCORE	**25** MAX MARKS	**14** CORRECT	**11** INCORRECT

Answer Review

Q1 INCORRECT How power rating is specified for transformers?

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

Q2 CORRECT Which component opposes any change in current?

- **A.** Diode
- **B.** Resistor
- **C.** Inductor
- **D.** Capacitor

Q3 CORRECT What is the unit of inductance?

A. Joule

B. Farad

C. Henry ☐

D. Watts

Q4 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 ☐

Q5 CORRECT 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

Q6 INCORRECT How many ohms is equal to one Mega ohm?

A. 10 kW

B. 100 kW ☐

C. 1000 kW ☐

D. 2000 kW

Q7 CORRECT Which unit is used to measure capacitance value?

A. Mho

B. Ohm

C. Farad

D. Henry

Q8 INCORRECT What is the name of Multi-turn potentiometers?

A. Multi turn dual pots

B. Multi turn trim pots

C. Single turn trim pots

D. Single turn dual pots

Q9 CORRECT Which meter is used to find the exact resistance value of resistors?

A. Ammeter

B. Volt meter

C. Ohm meter

D. Watt meter

Q10 INCORRECT What is the cause of burnt relay contacts?

A. Low contact current

B. Excessive contact current

C. Chatter during a slow release

D. Excessive number of operations

Q11 CORRECT At which condition the cold resistance of the low voltage lamp is measured using ohmmeter?

A. Lamp is ON at 100 Degree Centigrade

B. Lamp is ON at 320 Degree Centigrade

C. Lamp is ON at 400 Degree Centigrade

D. Lamp is OFF at room temperature

Q12 CORRECT What is the result of hysteresis loss in magnetic material?

A. Back emf increases

B. Eddy current decreases

C. Magnetic flux increases

D. Energy loss takes place

Q13 INCORRECT What is the phase relationship between the applied voltage and current in the primary of a transformer with open secondary winding?

A. Voltage lags current by 45 Degree

B. Current lags voltage by 90 Degree

C. Voltage leads current by 45 Degree

D. Current leads voltage by 90 Degree

Q14 INCORRECT What is the purpose of trimmer capacitor?

A. Coupling

B. Filtering

C. Decoupling

D. Fine tuning

Q15 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

Q16 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

Q17 CORRECT What is the power dissipated if 10mA current flows through a 10K Ohm resistor?

A. 1000 milli watts

B. 2000 milli watts

C. 3000 milli watts

D. 4000 milli watts

Q18 CORRECT 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

Q19 INCORRECT What is the main problem caused for severe pitting in relays?

A. Low contact current

B. Excessive contact current □

C. Chatter during a slow release □

D. Excessive number of operations

Q20 CORRECT What is the effect on the transformer operated below the rated voltage?

A. Burn out windings

B. Leads to interwinding leakage

C. Transformer heated up excessively

D. Delivers reduced secondary voltage □

Q21 INCORRECT What is the purpose of vacuum contactors in electrical panel?

A. Fast switching □

B. Slow switching

C. Packet switching

D. Medium switching □

Q22 CORRECT What is the reason for the use of contactors in control circuits?

A. Supply power to loads □

B. To increase load current

C. To decrease load current

D. To protect the load from arcing

Q23 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 □

Q24 CORRECT Which part of the relay causes most trouble?

A. Hinges

B. Relay coil

C. Relay contacts □

D. Frame and core

Q25 INCORRECT What type of ripple filter circuit is used for large load current requirements?

A. LC filter

B. RC filter

C. Inductor Input filter □

D. Capacitor Input filter □