

ITI Ankola

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

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Student Name	Sarvesh Vinod Naik	Access Code	2975
Attempt No.	#2	Completion Time	11:28 AM
Rank	#18	Total Questions	25

8 SCORE	25 MAX MARKS	8 CORRECT	17 INCORRECT
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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 **INCORRECT** What is the unit of inductance?

A. Joule

B. Farad

C. Henry ☒

D. Watts ☐

Q4 **CORRECT** 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 **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

Q6 **CORRECT** How many ohms is equal to one Mega ohm?

A. 10 kW

B. 100 kW

C. 1000 kW ☒

D. 2000 kW

Q7 **INCORRECT** Which unit is used to measure capacitance value?

A. Mho

B. Ohm

C. Farad ☒

D. Henry ☐

Q8 **CORRECT** 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 **CORRECT** 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 **INCORRECT** 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 **INCORRECT** 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 **INCORRECT** 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 **INCORRECT** 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 **INCORRECT** 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 **INCORRECT** 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 **INCORRECT** 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 ☐