

Trinity ITI College

ITI Quiz - 20-May-2026 08:57 AM

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Attempt No.	#1	Completion Time	09:44 PM
Rank	#1	Total Questions	22

17 SCORE

22 MAX MARKS

17 CORRECT

5 INCORRECT

Answer Review

Q1 CORRECT What are the passive components used in electronic circuits?

A. Resistors, capacitors and inductors

B. Transformers and semiconductors

C. Semi conductors and transistors

D. Transistors, diodes and SCRs

Q2 CORRECT What is the unit of inductance?

A. Ohm

B. Henry

C. Farad

D. Ampere

Q3 **CORRECT** How many diodes are required for making a bridge rectifier circuit?

A. One

B. Two

C. Four

D. Three

Q4 **CORRECT** Which material is used for making ICs?

A. Silicon

B. Carbon

C. Platinum

D. Mild steel

Q5 **INCORRECT** What is the name of electronic circuit?

A. Bridge rectifier

B. Half wave rectifier

C. Full wave rectifier

D. Quarter wave rectifier

Q6 **CORRECT** What is the unit of capacitance used with single phase induction motors in domestic RAC system?

A. Kilo ohm

B. Microfarad

C. Milli henry

D. Milli ampere

Q7 **CORRECT** How the ability of a conductor is called if it induces the voltage in the same conductor?

A. Self inductance

B. Conductance

C. Capacitance

D. Resistance

Q8 **CORRECT** Which semiconductor material is used to make diodes?

A. Steel

B. Silicon

C. Copper

D. Aluminium

Q9 **CORRECT** Which type of diode is used for communication circuits?

A. Signal diode

B. Zener diode

C. Rectifier diode

D. Switching diode

Q10 **CORRECT** Which component is used as a switching device in electronic circuit?

A. SCR

B. Diode

C. Capacitor

D. Zener diode

Q11 **INCORRECT** What is the name of active component used in electronic circuit?

A. Transistor

B. TRIAC

C. DIAC

D. SCR

Q12 **CORRECT** What are the active components used in electronic circuits?

A. Transformers and inductors

B. Transistors, diodes and SCRs

C. Semi conductors and transformers

D. Resistors, capacitors and inductors

Q13 **INCORRECT** Which device maintains a constant DC output?

A. Load regulators

B. Rectifier circuits

C. Current limiters

D. Voltage regulators

Q14 **CORRECT** Which electronic component is the voltage regulator?

A. Zener diode

B. Transistor

C. Triac

D. Diac

Q15 **CORRECT** What is the reverse break down voltage range of zener diode?

A. 0.1 to 0.5 volt

B. 0.5 to 1 volt

C. 3 to 18 volt

D. 1 to 3 volt

Q16 **CORRECT** Which material is used for making zener diode?

A. Lead

B. Silicon

C. Titanium

D. Platinum

Q17 **INCORRECT** How many terminals are there in a Silicon Controlled Rectifier (SCR)?

A. One

B. Two

C. Four

D. Three

Q18 **INCORRECT** What is the equivalent of one microfarad in farad?

A. 10^{-3} farad

B. 10^{-6} farad

C. 10^{-9} farad

D. 10^{-12} farad

Q19 **CORRECT** What is the method of converting AC to DC power supply with two diodes and a step down transformer?

A. Bridge rectifier

B. Full wave rectifier

C. Half wave rectifier

D. Medium wave rectifier

Q20 **CORRECT** Which application uses the digital ICs?

A. Amplifier

B. Logic gates

C. Tuned circuits

D. Voltage regulator

Q21 **CORRECT** What is the process involved for converting AC to DC power supply?

A. Inversion

B. Regulation

C. Convection

D. Rectification

Q22 **CORRECT** How the maximum reverse voltage across the diode is termed in reverse biased condition?

A. Diode voltage

B. Ripple frequency

C. Peak inverse voltage

D. Peak rectification voltage