

Trinity ITI College

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

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Attempt No.	#1	Completion Time	08:41 AM
Rank	#2	Total Questions	22

8 SCORE

22 MAX MARKS

8 CORRECT

14 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 **INCORRECT** How many diodes are required for making a bridge rectifier circuit?

A. One

B. Two

C. Four

D. Three

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

A. Silicon

B. Carbon

C. Platinum

D. Mild steel

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

A. Bridge rectifier

B. Half wave rectifier

C. Full wave rectifier

D. Quarter wave rectifier

Q6 **INCORRECT** 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 **INCORRECT** 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 **INCORRECT** Which type of diode is used for communication circuits?

A. Signal diode

B. Zener diode

C. Rectifier diode

D. Switching diode

Q10 **INCORRECT** 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 **INCORRECT** 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 **CORRECT** 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 **INCORRECT** 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 **INCORRECT** Which material is used for making zener diode?

A. Lead

B. Silicon

C. Titanium

D. Platinum

Q17 **CORRECT** 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 **INCORRECT** 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 **INCORRECT** 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 **INCORRECT** 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