

ITI Quiz - 27-May-2026

06:52 AM

Q. ID: ITISKILL4679AS

May 2026

Answer Key

Duration: 70 Mins

Total Marks: 100

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1. What is the shape of warning sign board?

- A) Circular shape B) Hexagonal shape
C) Triangular shape D) Square shape

Answer: C) Triangular shape

2. How can you confirm a transistor as defective?

- A) By ohm meter testing B) By voltage measurements
C) By physical testing D) By circuit testing

Answer: A) By ohm meter testing

3. Which battery is used for cellular phones?

- A) Lithium ion B) Sodium sulphur
C) Zinc chloride D) Nickel ion

Answer: A) Lithium ion

4. What is the decimal number for the binary number 0101?

- A) 5 B) 6
C) 7 D) 4

Answer: A) 5

5. What is the process of adding impurities to a pure semi conductor material?

- A) Forming B) Doping
C) Diffusion D) Etching

Answer: B) Doping

6. What is the meaning of maximum safe reverse voltage across a diode?

- A) PIV voltage B) Reverse break down voltage
C) Break down voltage D) Knee voltage

Answer: A) PIV voltage

7. 1st industrial revolution started in _____. | 1 ನೇ ಕೈಗಾರಿಕಾ ಕ್ರಾಂತಿ ಪ್ರಾರಂಭವಾಯಿತು _____

- A) 21st century | 21 ನೇ ಶತಮಾನ B) 20th century | 20 ನೇ ಶತಮಾನ
C) 18th century | 18 ನೇ ಶತಮಾನ D) 19th century | 19 ನೇ ಶತಮಾನ

Answer: C) 18th century | 18 ನೇ ಶತಮಾನ

8. Which value is equal to one picofarad?

- A) 10-12 Farad B) 106 Farad

C) 1012 Farad

D) 10-6 Farad

Answer: A) 10-12 Farad

9. Which class of fire is classified involving metals?

- A) Class B B) Class C
C) Class A D) Class D

Answer: D) Class D

10. Which material is used for making instrument cabinets?

- A) Plastic B) Wood
C) Sheet metal D) Hard rubber

Answer: C) Sheet metal

11. Which parameter is maintained constant in zener diode?

- A) Power B) Voltage
C) Resistance D) Current

Answer: B) Voltage

12. What is the shape of prohibition sign?

- A) Rectangular B) Triangular
C) Square D) Circular

Answer: D) Circular

13. Which materials are used for semiconductor?

- A) Silicon and germanium B) Gallium and indium
C) Arsenic and antimony D) Silver and aluminium

Answer: A) Silicon and germanium

14. What is the full form of the abbreviation SPDT used in switches?

- A) Single Phase Dual Throw B) Single Pole Single Throw
C) Shared Pole Double Throw D) Single Pole Double Throw

Answer: D) Single Pole Double Throw

15. Find the total resistance value of 10 ohms and 20 ohms connected in parallel.

- A) 66.66 Ohms B) 6.666 Ohms
C) 666.6 Ohms D) 6666 Ohms

Answer: B) 6.666 Ohms

16. Which type of amplifier is used to operate the loud speaker?

- A) IF amplifier B) RF amplifier
C) Power amplifier D) Voltage amplifier

Answer: C) Power amplifier

17. Ethics means _____. | ನೀತಿಶಾಸ್ತ್ರ ಎಂದರೆ _____

- A) decide what is right and wrong for a human conduct | ಮಾನವ ನಡವಳಿಗೆ ಯಾವುದು ಸರಿ ಮತ್ತು ತಪ್ಪು ಎಂದು ನಿರ್ಧರಿಸಿ
B) not relevant to society | ಮಾನವ ನಡವಳಿಗೆ ಯಾವುದು ಸರಿ ಸಮಾಜಕ್ಕೆ ಸಂಬಂಧಿಸಿಲ್ಲ ಮತ್ತು ತಪ್ಪು ಎಂದು ನಿರ್ಧರಿಸಿ

- C) employability skills | ಉದ್ಯೋಗ ಕೌಶಲ್ಯಗಳು
D) name of a city | ಒಂದು ನಗರದ ಹೆಸರು

Answer: A) decide what is right and wrong for a human conduct | ಮಾನವ ನಡವಳಿಗೆ ಯಾವುದು ಸರಿ ಮತ್ತು ತಪ್ಪು ಎಂದು ನಿರ್ಧರಿಸಿ

18. What is the shape of mandatory signs?

- A) Triangular B) Circular
C) Square D) Rectangular

Answer: B) Circular

19. Which tool is used for the simplest method of skinning wires?

- A) Electrician's knife B) Mechanical wire stripper
C) Manual wire stripper D) Thermal wire stripper

Answer: A) Electrician's knife

20. How the insulators are called?

- A) Thyristors B) Semiconductors
C) Molecules D) Dielectrics

Answer: D) Dielectrics

21. How many ohms is equal to one Mega ohm?

- A) 10 kW B) 100 kW
C) 2000 kW D) 1000 kW

Answer: D) 1000 kW

22. When does the rosin flux melts in a soldering process?

- A) During the solder is melting B) After the solder melts
C) When the solder is melting D) When the solder is heated

Answer: D) When the solder is heated

23. What is the output pulse frequency of the full wave rectifier with input frequency of 50 Hz?

- A) 60 Hz B) 200 Hz
C) 100 Hz D) 40 Hz

Answer: C) 100 Hz

24. How the gas and liquefied gases are classified

- A) Class D fire B) Class B fire
C) Class A fire D) Class C fire

Answer: B) Class B fire

25. What is the purpose of standard wire gauge (SWG)?

- A) Measure diameter of wire B) Measure current
C) Measure voltage D) Measure insulation of wire

Answer: A) Measure diameter of wire

26. Which ratio of tin-lead combination is used for electronic component soldering work?

- A) 60:40:00 B) 40:60
C) 20:40 D) 63:37:00

Answer: A) 60:40:00

27. Which bearing is supporting the shaft of moving coil assembly in a PMMC instrument?

- A) Jewelled bearings B) Bush bearings
C) Gun metal bearings D) Steel bearings

Answer: A) Jewelled bearings

28. How power rating is specified for transformers?

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

Answer: B) Volt ampere (VA)

29. Which formula is used to find the conductance?

- A) I / V B) Q / V
C) $I \times R$ D) V / I

Answer: A) I / V

30. What is the output frequency of the pulsating DC in a two diode fullwave rectifier?

- A) Half of the input A/C frequency B) Double the input A/C frequency
C) Three times the input A/C frequency D) Same frequency of the A/C input

Answer: B) Double the input A/C frequency

31. What is the name of multi-stage amplifiers?

- A) Cascoded amplifier B) Complementary symmetry amplifier
C) Darlington pair amplifier D) Cascaded amplifier

Answer: D) Cascaded amplifier

32. Which property of the capacitor stores electrical energy in electrostatic field?

- A) Dielectric B) Capacitive reactance
C) Capacitance D) Stray capacitance

Answer: B) Capacitive reactance

33. What is the current gain of common collector amplifier?

- A) Medium B) Low
C) Very high D) High

Answer: C) Very high

34. Which part of the relay causes most trouble?

- A) Frame and core B) Relay contacts
C) Relay coil D) Hinges

Answer: B) Relay contacts

35. Time management _____ | ಸಮಯ ನಿರ್ವಹಣೆ

- A) managing time | ಸಮಯವನ್ನು ನಿರ್ವಹಿಸುವುದು B) problem solving | ಸಮಸ್ಯೆ ಪರಿಹರಿಸುವ
C) complete your task on time | ನಿಮ್ಮ ಕೆಲಸವನ್ನು ಸಮಯಕ್ಕೆ ಪೂರ್ಣಗೊಳಿಸಿ D) hard skill | ಕಠಿಣ ಕೌಶಲ್ಯ

Answer: C) complete your task on time | ನಿಮ್ಮ ಕೆಲಸವನ್ನು ಸಮಯಕ್ಕೆ ಪೂರ್ಣಗೊಳಿಸಿ

36. How many electrons are contained in coulomb of electric charge?

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

Answer: C) 6.25×10^{18} electrons

37. Which component opposes any change in current?

- A) Diode B) Capacitor
C) Inductor D) Resistor

Answer: C) Inductor

38. What is the percentage of conductivity of electric current in silver?

- A) 0.56 B) 0.94
C) 0.67 D) 1

Answer: D) 1

39. Which type of amplifier is used to operate the loud speaker?

- A) IF Amplifier B) Voltage Amplifier
C) RF Amplifier D) Power Amplifier

Answer: D) Power Amplifier

40. Which energy is converted by the battery to produce electricity?

- A) Electrical energy into mechanical energy B) Chemical energy into electrical energy
C) Mechanical energy into electrical energy D) Electrical energy into light energy

Answer: B) Chemical energy into electrical energy

41. Which type of wave is generated in Schmitt trigger circuit?

- A) Triangular wave B) Square wave
C) Sine wave D) Saw tooth wave

Answer: B) Square wave

42. What is the name of the process of converting AC into DC voltage?

- A) Amplifying B) Demodulating
C) Inverting D) Rectifying

Answer: D) Rectifying

43. Jobs that have become outdated in the past 5 years _____ | ಕಳೆದ 5 ವರ್ಷಗಳಲ್ಲಿ ಹಳತಾದ ಕೆಲಸಗಳು

- A) uber | ಉಬರ್ B) ola | ಓಲ
C) STD booth | STD ಬೂತ್ D) swiggy | ಸ್ವಿಗ್ಗಿ

Answer: C) STD booth | STD ಬೂತ್

44. What is the name of effect of changing current in one coil, induces EMF in nearby coil?

- A) Self induction B) Coupling
C) Induction D) Mutual induction

Answer: D) Mutual induction

45. Why the transformer core is made as thin laminations?

- A) To maximize eddy current losses B) To minimize eddy current losses
C) To increase the hysteresis losses D) To increase core saturation losses

Answer: B) To minimize eddy current losses

46. How batteries are classified based on their working?

- A) Primary cells and secondary cells B) Dry cells and alkaline cells
C) Button cells and lithium cells D) Cylindrical cells and rectangular cells

Answer: A) Primary cells and secondary cells

47. What is the first step to rescue the person in electrical contact?

- A) Break the contact B) Pull the person from electrical contact
C) Call the doctor D) Switch OFF power supply

Answer: D) Switch OFF power supply

48. Which of these should be considered while making decisions? | ನಿರ್ಧಾರಗಳನ್ನು ತೆಗೆದುಕೊಳ್ಳುವಾಗ ಇವುಗಳಲ್ಲಿ ಯಾವುದನ್ನು ಪರಿಗಣಿಸಬೇಕು?

- A) Your personal priorities | ನಿಮ್ಮ ವೈಯಕ್ತಿಕ ಆದ್ಯತೆಗಳು B) The choices of your friends | ನಿಮ್ಮ ಸ್ನೇಹಿತರ ಆಯ್ಕೆಗಳು
C) Your mood | ನಿಮ್ಮ ಮನಸ್ಥಿತಿ D) The rules of your community | ನಿಮ್ಮ ಸಮುದಾಯದ ನಿಯಮಗಳು

Answer: A) Your personal priorities | ನಿಮ್ಮ ವೈಯಕ್ತಿಕ ಆದ್ಯತೆಗಳು

49. How the movement of electrons through a conductor in a particular direction is called?

- A) Resistance B) Inductance
C) Conductance D) Electric current

Answer: D) Electric current

50. What is the rated output voltage of a silver oxide cell?

- A) 2.5 VDC B) 4.0 VDC
C) 1.5 VDC D) 1.0 VDC

Answer: C) 1.5 VDC

51. What is the use of screw driver?

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

Answer: A) Tighten or loosen screws

52. Which meter is used to find the exact resistance value of resistors?

- A) Ohm meter B) Watt meter
C) Volt meter D) Ammeter

Answer: A) Ohm meter

53. What is the power supply required to operate the most standard TTL ICs properly?

- A) + 1.5v to +2.5V B) + 7.5v to + 12V
C) - 1.5v to - 2.5V D) + 4.75v to + 5.25V

Answer: D) + 4.75v to + 5.25V

54. How batteries are classified?

- A) Primary cells and secondary cells B) Cylindrical cells and rectangular cells
C) Button cells and lithium cells D) Dry cells and alkaline cells

Answer: A) Primary cells and secondary cells

55. Which angle is checked by the try square?

- A) 60 Degree B) 75 Degree
C) 45 Degree D) 90 Degree

Answer: D) 90 Degree

56. Which is the maximum size of drill bit used in electrical hand drilling machine?

- A) 3.5 mm B) 6.5 mm
C) 0.35 mm D) 1.5 mm

Answer: B) 6.5 mm

57. Which fire extinguisher is used to put off class C type of fire?

- A) Jet of water B) Carbon-di-oxide

C) Foam type

D) Dry powdered

Answer: D) Dry powdered

58. What is the meaning of first letter indicated in the transistor code number BC 107?

- A) Antimony material used B) Indium material used
C) Germanium material used D) Silicon material used

Answer: D) Silicon material used

59. Electrical conductivity of gold is

- A) 94% B) 100%
C) 56% D) 67%

Answer: D) 67%

60. Which meter uses a moving coil for measurement?

- A) MI repulsion type B) PMMC meter
C) LCR meter D) MI attraction type

Answer: B) PMMC meter

61. _____ is major changes takes place in manufacturing. | _____ ತಯಾರಿಕೆಯಲ್ಲಿ ಪ್ರಮುಖ ಬದಲಾವಣೆಗಳು ನಡೆಯುತ್ತವೆ.

- A) Food revolution | ಆಹಾರ ಕ್ರಾಂತಿ B) Green revolution | ಹಸಿರು ಕ್ರಾಂತಿ

- C) Industry revolution | ಕೈಗಾರಿಕಾ ಕ್ರಾಂತಿ D) Water revolution | ಜಲ ಕ್ರಾಂತಿ

Answer: C) Industry revolution | ಕೈಗಾರಿಕಾ ಕ್ರಾಂತಿ

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

- A) 4000 milli watts B) 2000 milli watts
C) 3000 milli watts D) 1000 milli watts

Answer: D) 1000 milli watts

63. What is the full of the abbreviation DPDT used in switches?

- A) Double Pole Direct Throw B) Direct Pole Double Throw
C) Dual Phase Dual Throw D) Double Pole Double Throw

Answer: D) Double Pole Double Throw

64. Which electrical parameter opposes the flow of electrons?

- A) Current B) Voltage
C) Resistance D) Power

Answer: C) Resistance

65. Which material is used as electrical insulator?

- A) Porcelain B) Aluminium
C) Gallium D) Germanium

Answer: A) Porcelain

66. Which fire extinguisher is used to put off class A type of fire?

- A) Foam type
- B) Dry powdered
- C) Jet of water
- D) Carbon-di-oxide

Answer: C) Jet of water

67. Which configuration of transistor amplifier is most commonly used in electronic circuits?

- A) Common collector configuration
- B) Common drain amplifier configuration
- C) Common base configuration
- D) Common emitter configuration

Answer: D) Common emitter configuration

68. What is the purpose of wood rasp file?

- A) Cutting metals
- B) 90 Degree corners
- C) Finishing flat edges
- D) Preliminary rough work

Answer: D) Preliminary rough work

69. Which coding system for transistor type numbering system is followed by American standard?

- A) Home codes
- B) PRO-ELECTRON standard
- C) JEDEC standard
- D) JIS standard

Answer: C) JEDEC standard

70. 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

Answer: D) 25 H

71. Which function control in CRO, adjust the trace sharper?

- A) Intensity
- B) Focus
- C) Time/Div trigger
- D) Amplitude (V/Div)

Answer: B) Focus

72. Which material conducts electricity?

- A) Mica
- B) Copper
- C) Glass
- D) Paper

Answer: B) Copper

73. Which impurity is added to form P - type semiconductor material?

- A) Gallium
- B) Phosphorus
- C) Antimony
- D) Arsenic

Answer: A) Gallium

74. What is the full form of the abbreviation PMMC meter?

- A) Principle Magnet Moving Coil meter
- B) Permanent Magnet Moving Coil meter

- C) Position Magnet Moving Coil meter
- D) Parallel Magnet Moving Coil meter

Answer: B) Permanent Magnet Moving Coil meter

75. What is the digital signal value for the analog signal value 6V?

- A) 100
- B) 111
- C) 110
- D) 101

Answer: C) 110

76. Which unit is used to measure capacitance value?

- A) Farad
- B) Henry
- C) Mho
- D) Ohm

Answer: A) Farad

77. Why transistors made of silicon is preferred over the germanium semiconductor material?

- A) Higher thermal stability
- B) Complex design
- C) Requires complicated bias arrangement
- D) Silicon transistor needs low cut-in-voltage

Answer: A) Higher thermal stability

78. How many types of soldering is used for joining metal surfaces?

- A) Five
- B) Four
- C) Three
- D) Two

Answer: D) Two

79. What is the disadvantage of the two diode full wave rectifier compared with a bridge rectifier?

- A) Each diode carries half the load current
- B) The ripple frequency is higher
- C) The need of bulky transformer
- D) DC output level is higher

Answer: C) The need of bulky transformer

80. Which type of soldering is used for electronic circuit?

- A) Hard soldering
- B) Hot soldering
- C) Brazing
- D) Soft soldering

Answer: D) Soft soldering

81. Which type of packaging is used to transistors utilized for medium power amplification?

- A) Plastic packaging
- B) Plastic packaging with metal heatsinks
- C) Metal packaging
- D) Ceramic packaging

Answer: B) Plastic packaging with metal heatsinks

82. What is the advantage of using digital multimeter?

- A) Linear scale
- B) Logarithmic scale
- C) Easy portability
- D) Accuracy

Answer: D) Accuracy

83. Which instrument used to measure resistance, capacitance and inductance?

- A) Kelvin bridge
- B) Wein bridge
- C) Wheatstone bridge
- D) LCR bridge

Answer: D) LCR bridge

84. What is the unit of inductance?

- A) Watts
- B) Henry
- C) Farad
- D) Joule

Answer: B) Henry

85. Which tool works on the principle of air suction?

- A) Desoldering braid
- B) Soldering wick
- C) Desoldering pump
- D) Soldering iron

Answer: C) Desoldering pump

86. Which artificial respiration method to be avoided to a person with abdomen injury?

- A) Nose-to-mouth method
- B) Schafer's method
- C) Mouth-to-mouth method
- D) Mouth-to-nose method

Answer: B) Schafer's method

87. What is the total voltage of six 1.5 V cells, connected in series?

- A) 6 VDC
- B) 9 VDC
- C) 3 VDC
- D) 12 VDC

Answer: B) 9 VDC

88. What is the name of the pair of metal strips used in battery cell?

- A) Carbon rod
- B) Cathode
- C) Electrolyte
- D) Electrodes

Answer: D) Electrodes

89. In which analog meter the battery is provided?

- A) Ammeter
- B) Ohm meter
- C) Watt meter
- D) Voltmeter

Answer: B) Ohm meter

90. What is the colour code for 100 Ohm resistor?

- A) Brown, brown, brown
- B) Brown, black, brown
- C) Brown, black, red
- D) Black, brown, black

Answer: B) Brown, black, brown

91. What is the colour of positive electrode in fully charged lead acid battery?

- A) Grey colour
- B) Spongy grey colour
- C) Red colour
- D) Reddish brown

Answer: D) Reddish brown

92. Which electrolyte is used in lead-acid battery?

- A) Potassium hydroxide solution
- B) Sulphuric acid
- C) Alkaline solution
- D) Zinc chloride

Answer: B) Sulphuric acid

93. What is the purpose of covering provided over the electrical conductor?

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

Answer: B) Protection against weather

94. What is the unit of electric charge?

- A) Volts
- B) Coulomb
- C) Ampere
- D) Hertz

Answer: B) Coulomb

95. How the negative feedback is called?

- A) Degenerative feedback
- B) Current controlled feedback
- C) Voltage controlled feedback
- D) Regenerative feedback

Answer: A) Degenerative feedback

96. How the single strand wire is called?

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

Answer: D) Hook up wire

97. When does the zener diode begins to conduct in the reverse biased condition?

- A) After the barrier voltage cancelled
- B) Voltage across it reached the zener voltage
- C) Voltage across zener reached 0.3V
- D) When bias voltage reached 0.7V

Answer: B) Voltage across it reached the zener voltage

98. Which step is important for soldering a joint?

- A) Cleaning the joint
- B) Pasting the joint
- C) Cooling the joint
- D) Heating the joint

Answer: D) Heating the joint

99. Which bonding material is used for soldering a joint?

- A) Grease
- B) Acid
- C) Oil
- D) Flux

Answer: D) Flux

100. What is the advantage of silicon over germanium for transistor fabrication?

- A) Lower thermal stability
- B) Lower operating voltage

C) Higher thermal stability

D) Higher amplification
factor

Answer: C) Higher thermal stability
