

ITI Quiz - 27-May-2026

06:52 AM

Q. ID: ITISKILL4679AS

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Question Paper

Duration: 70 Mins

Total Marks: 100

ID: ITISKILL4679AS

Student Name: _____ Roll No: _____

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

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

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

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

3. In which analog meter the battery is provided?

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

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 Jobs that have become outdated in the past 5 years _____ | ಕಳೆದ 5 ವರ್ಷಗಳಲ್ಲಿ ಹಳತಾದ ಕೆಲಸಗಳು _____

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

5. Find the total inductance value of two inductors 10H and 15H of connected in series.

- A) 05 H
B) 25 H
C) 15 H
D) 10 H

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

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

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

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

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

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

9. What is the process of adding impurities to a pure semiconductor material?

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

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

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

11. What is the purpose of wood rasp file?

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

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

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

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

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

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

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

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

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

16. What is the unit of inductance?

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

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

- A) 1.0 VDC
C) 2.5 VDC

- B) 4.0 VDC
D) 1.5 VDC

- A) Intensity
C) Time/Div trigger

- B) Focus
D) Amplitude (V/Div)

18. How the negative feedback is called?

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

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

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

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

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

21. Which type of amplifier in used to operate the loud speaker?

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

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

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

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

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

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

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

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

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

26. Which material is used as electrical insulator?

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

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

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

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

29. Which meter uses a moving coil for measurement?

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

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

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

31. Which angle is checked by the try square?

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

32. How the gas and liquefied gases are classified

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

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

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

34. Ethics means _____. | ನೀತಿಶಾಸ್ತ್ರ ಎಂದರೆ _____

A) name of a city | ಒಂದು ನಗರದ ಹೆಸರು

B) decide what is right and wrong for a human conduct | ಮಾನವ ನಡವಳಿಗೆಗೆ ಯಾವುದು ಸರಿ ಮತ್ತು ತಪ್ಪು ಎಂದು ನಿರ್ಧರಿಸಿ

C) employability skills | ಉದ್ಯೋಗ ಕೌಶಲ್ಯಗಳು

D) not relevant to society | ಸಮಾಜಕ್ಕೆ ಸಂಬಂಧಿಸಿಲ್ಲ

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

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

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

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

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

- A) 4
B) 7

C) 5

D) 6

A) Linear scale

B) Accuracy

C) Logarithmic scale

D) Easy portability

38. Which material conducts electricity?

A) Paper

B) Copper

C) Glass

D) Mica

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

A) Grease

B) Flux

C) Oil

D) Acid

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

A) To increase the hysteresis losses

B) To increase core saturation losses

C) To minimize eddy current losses

D) To maximize eddy current losses

41. Which part of the relay causes most trouble?

A) Hinges

B) Relay coil

C) Relay contacts

D) Frame and core

42. How power rating is specified for transformers?

A) Watts (W)

B) Volt ampere (VA)

C) Horse power (HP)

D) Voltage (V)

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

A) 666.6 Ohms

B) 6.666 Ohms

C) 6666 Ohms

D) 66.66 Ohms

44. 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

45. Electrical conductivity of gold is

A) 67%

B) 94%

C) 100%

D) 56%

46. How the single strand wire is called?

A) Flexible wire

B) Twisted wire

C) Multi strand wire

D) Hook up wire

47. Which unit is used to measure capacitance value?

A) Henry

B) Ohm

C) Mho

D) Farad

48. What is the advantage of using digital multimeter?

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

A) 6.5 mm

B) 3.5 mm

C) 0.35 mm

D) 1.5 mm

50. 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

51. Which component opposes any change in current?

A) Inductor

B) Resistor

C) Diode

D) Capacitor

52. Which materials are used for semiconductor?

A) Gallium and indium

B) Silver and aluminium

C) Arsenic and antimony

D) Silicon and germanium

53. How batteries are classified based on their working?

A) Button cells and lithium cells

B) Cylindrical cells and rectangular cells

C) Primary cells and secondary cells

D) Dry cells and alkaline cells

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

A) 101

B) 110

C) 100

D) 111

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

A) Red colour

B) Reddish brown

C) Spongy grey colour

D) Grey colour

56. How the insulators are called?

A) Molecules

B) Thyristors

C) Semiconductors

D) Dielectrics

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

A) Nose-to-mouth method

B) Mouth-to-nose method

C) Schafer's method

D) Mouth-to-mouth method

58. How batteries are classified?

A) Cylindrical cells and rectangular cells

B) Primary cells and secondary cells

C) Dry cells and alkaline cells D) Button cells and lithium cells

59. What is the unit of electric charge?

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

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

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

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

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

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

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

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

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

64. What is the shape of warning sign board?

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

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

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

66. Which material is used for making instrument cabinets?

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

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

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

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

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

69. 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) DC output level is higher D) The need of bulky transformer

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

A) Higher amplification factor B) Lower operating voltage
C) Lower thermal stability D) Higher thermal stability

71. Which parameter is maintained constant in zener diode?

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

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

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

73. Which value is equal to one picofarad?

A) 106 Farad B) 10¹² Farad
C) 10⁻⁶ Farad D) 10⁻¹² Farad

74. 1st industrial revolution started in _____. | 1 ನೇ ಕೈಗಾರಿಕಾ ಕ್ರಾಂತಿ ಪ್ರಾರಂಭವಾಯಿತು _____

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

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

A) Position Magnet Moving Coil meter B) Principle Magnet Moving Coil meter
C) Permanent Magnet Moving Coil meter D) Parallel Magnet Moving Coil meter

76. Which step is important for soldering a joint?

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

77. Which class of fire is classified involving metals?

A) Class D B) Class C

C) Class B

D) Class A

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

A) Dry powdered

B) Jet of water

C) Carbon-di-oxide

D) Foam type

79. What is the use of screw driver?

A) Tighten or loosen rivets

B) Hold the screws

C) Tighten or loosen bolts

D) Tighten or loosen screws

80. Which formula is used to find the conductance?

A) I / V

B) $I \times R$

C) V / I

D) Q / V

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

A) 40 Hz

B) 100 Hz

C) 200 Hz

D) 60 Hz

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

A) Desoldering braid

B) Desoldering pump

C) Soldering wick

D) Soldering iron

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

A) Capacitive reactance

B) Capacitance

C) Stray capacitance

D) Dielectric

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

A) 6.25×10^{18} electrons

B) 6.25×10^{12} electrons

C) 6.25×10^8 electrons

D) 6.25×10^{16} electrons

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

A) Home codes

B) JEDEC standard

C) PRO-ELECTRON standard

D) JIS standard

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

A) Brazing

B) Hard soldering

C) Hot soldering

D) Soft soldering

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

A) 20:40

B) 40:60

C) 60:40:00

D) 63:37:00

88. What is the power dissipated if 10mA current flows

through a 10K Ohm resistor?

A) 3000 milli watts

B) 4000 milli watts

C) 1000 milli watts

D) 2000 milli watts

89. Which electrical parameter opposes the flow of electrons?

A) Current

B) Resistance

C) Voltage

D) Power

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

A) RF Amplifier

B) Voltage Amplifier

C) IF Amplifier

D) Power Amplifier

91. What is the shape of prohibition sign?

A) Square

B) Triangular

C) Rectangular

D) Circular

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

A) + 4.75v to + 5.25V

B) + 7.5v to + 12V

C) - 1.5v to - 2.5V

D) + 1.5v to +2.5V

93. What is the shape of mandatory signs?

A) Square

B) Rectangular

C) Triangular

D) Circular

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

A) When bias voltage reached 0.7V

B) After the barrier voltage cancelled

C) Voltage across zener reached 0.3V

D) Voltage across it reached the zener voltage

95. How can you confirm a transistor as defective?

A) By circuit testing

B) By ohm meter testing

C) By voltage measurements

D) By physical testing

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

A) 0.56

B) 0.94

C) 0.67

D) 1

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

A) Black, brown, black

B) Brown, black, brown

C) Brown, brown, brown

D) Brown, black, red

98. Time management _____. | ಸಮಯ ನಿರ್ವಹಣೆ

A) problem solving | ಸಮಸ್ಯೆ ಪರಿಹರಿಸುವ

B) hard skill | ಕಠಿಣ ಕೌಶಲ್ಯ

C) managing time | ಸಮಯವನ್ನು ನಿರ್ವಹಿಸುವುದು

D) complete your task on time | ನಿಮ್ಮ ಕೆಲಸವನ್ನು ಸಮಯಕ್ಕೆ ಪೂರ್ಣಗೊಳಿಸಿ

99. Which battery is used for cellular phones?

A) Nickel ion

B) Sodium sulphur

C) Zinc chloride

D) Lithium ion

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

A) Water revolution | ಜಲ ಕ್ರಾಂತಿ

B) Food revolution | ಆಹಾರ ಕ್ರಾಂತಿ

C) Green revolution | ಹಸಿರು ಕ್ರಾಂತಿ

D) Industry revolution | ಕೈಗಾರಿಕಾ ಕ್ರಾಂತಿ