



ELECTRICIAN

FIRST

YEAR



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All in one Suggestion Book

Trade Theory
Workshop Calculation & Science
Engineering Drawing
Employability Skills

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ELECTRICIAN THEORY

1-What is the effect of inductance if the distance between the turns increases?

- (A) Remains same
- (B) Increases
- (C) Becomes zero
- (D) Decreases

Answer-D

2- Which type of joint is used in over head lines for high tensile strength?

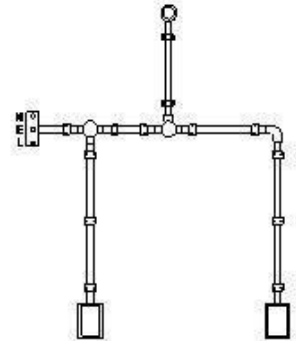
- (A) Married joint
- (B) Western union joint
- (C) Rat-tail joint
- (D) Scarfeed joint

Answer-B

3- What is the name of the diagram as shown in the figure?

- (A) Layout plan
- (B) Wiring diagram
- (C) Schematic diagram
- (D) Installation plan

Answer-D



4- Where the Iron Clad Double Pole (ICDP) main switch is used?

- (A) Large industrial installations
- (B) Single phase domestic installations
- (C) Three phase power circuit installations
- (D) Large commercial installations

Answer-B

5- What is the formula for the equivalent resistance (R_T) of the three resistors

R_1, R_2 & R_3 are parallel?

- (A) $1/R_T = 1/R_1 + 1/R_2 + 1/R_3$
- (B) $R_T = 1/(R_1 + R_2 + R_3)$
- (C) $R_T = R_1 + R_2 + R_3$
- (D) $R_T = R_1 + R_2 + R_3 R_1 R_2 R_3$

Answer-A

6- What is the unit for Quantity of electricity?

- (A) Ampere / second
- (B) Volt / second
- (C) Coulomb

(D) Mho

Answer-C

7- Which part is losing its weight during the electrolysis?

(A) Separator (C) Electrolyte

(B) Anode (D) Cathode

Answer-B

8- When the no current will flow through the galvanometer in the wheat stone bridge?

(A) In short-circuited condition

(B) In open-circuited condition

(C) In unbalanced condition

(D) In balanced condition

Answer-D

9- Which conductors are used for the over head distribution lines?

(A) Bare conductors

(B) Insulated solid conductors

(C) Two core cable

(D) Insulated conductors

Answer-A

10- Which is employed in circuit breaker for the thermal over load protection?

(A) No volt coil

(B) Bimetallic strip

(C) Magnetic repulsion

(D) Mechanical vibration

Answer-B

11- Which is the position to use the instrument provided with gravity control?

(A) Horizontal position

(B) Vertical position

(C) Any position

(D) Inclined position

Answer-B

12- Calculate the electrical energy in unit consumed by 500W lamp for 5 hours.

500W

(A) 1.5 unit

(B) 2.5 unit

(C) 1.0 unit

(D) 0.5 unit

Answer-B

13- How to determine the core loss in a transformer?

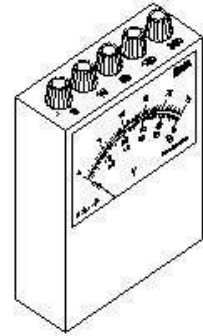
- (A) By ratio test
- (B) By impulse test
- (C) By short circuit test
- (D) By open circuit test

Answer-D

14- What is the name of meter as shown in the figure?

- (A) AC and DC multirange voltmeter
- (B) AC multirange ammeter
- (C) DC multirange voltmeter
- (D) AC and DC multirange ammeter

Answer-A



15- What is an application of 'L' series type MCB's? '

- (A) Halogen lamps
- (B) Air conditioners
- (C) Geysers
- (D) Loco motives

Answer-C

16- Which type of fire extinguisher is used for fire on electrical equipment?

- (A) Gas cartridge water type
- (B) Foam type
- (C) Stored pressure water type
- (D) Halon type

Answer-D

17- Which 3 phase system requires the artificial neutral to measure the phase voltage?

- (A) 3 wire delta connected system
- (B) 3 wire star connected system
- (C) 4 wire star connected system
- (D) Scott connected system

Answer-A

18- Which material is used to make the core of power transformer?

- (A) Silicon steel
- (B) Copper alloy
- (C) Soft iron
- (D) Cold rolled grain oriented steel

Answer-D

19- Which is an application of the series circuit?

- (A) Lighting circuits in home
- (B) Voltmeter connection
- (C) Shunt resistor in ammeter
- (D) Multiplier resistor of a voltmeter

Answer-D

20- What is the advantage of the stranded conductor over the solid conductor?

- (A) Less voltage drop
- (B) Cost is less
- (C) More insulation resistance
- (D) More flexible

Answer-D

21- What is the standard frequency of AC supply in India?

- (A) 75 Hz
- (B) 25 Hz
- (C) 50 Hz
- (D) 60 Hz

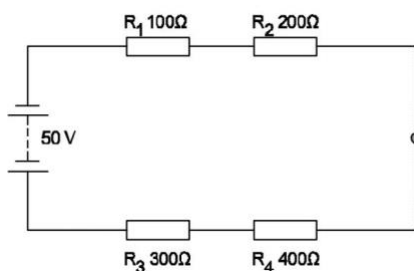
Answer-C

22- Why the system earthing is different from the equipment earthing?

- (A) It is associated with non-current carrying conductors
- (B) It protects human only
- (C) It is associated with current carrying conductors
- (D) It protects equipment only

Answer-C

23- What is the voltage drop in resistor 'R2' in the series circuit?



- (A) 20Volt
- (B) 10Volt
- (C) 15Volt
- (D) 5Volt

Answer-B

24-Which device converts the sunlight into electrical energy?

- (A) Light emitting diode
- (B) Liquid crystal diode
- (C) Light dependent resistor
- (D) Photo voltaic cell

Answer-D

25-Which apparatus is used to check the charging condition of the battery?

- (A) Voltmeter
- (B) High rate discharge tester
- (C) Hydrometer
- (D) Multimeter

Answer-B

26-Which electrical quantity is unable to measure directly by the multimeter?

- (A) AC voltage (B) Power (C) DC voltage (D) Resistance

Answer-B

27- Which is the indication of a moisture contained transformer oil is placed in the crackle test?

- (A) A crackle sound is heard
- (B) A humming noise is heard
- (C) A flash over occurs
- (D) A sizzle noise is heard

Answer-A

28- Which factor changes the permeability of a material?

- (A) Flux density
- (B) Length
- (C) Diameter
- (D) Cross-sectional Area

Answer-A

29- Which power measurement method is used for both balanced and unbalanced loads?

- (A) Voltmeter and Ammeter method
- (B) Single watt meter method
- (C) 2 watt meter method
- (D) Energy meter method

Answer-C

30- Where the service mains are to be connected in the domestic installation?

- (A) Main switch

- (B) Distribution board
- (C) Energy meter
- (D) IC cutout

Answer-C

31- What is the name of the wiring diagram?

- (A) Staircase wiring
- (B) Hostel wiring
- (C) Godown wiring
- (D) Tunnel wiring

Answer-A

32- What is the SI unit of resistivity?

- (A) ohm / metre
- (B) ohm / cm²
- (C) ohm / cm
- (D) ohm - metre

Answer-D

33- What will happen to the value of earth resistance if length of the earth pipe is increased?

- (A) Infinity
- (B) Remain same
- (C) Increases
- (D) Decreases

Answer-D

34- What is the function of the rotary switch in food mixer?

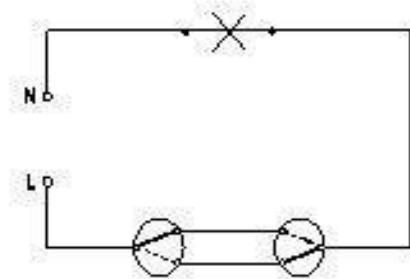
- (A) For reverse rotation
- (B) Over load protection
- (C) Speed selection
- (D) Over current protection

Answer-C

35- What is the unit of insulation resistance?

- (A) Milli ohm
- (B) Mega ohm
- (C) Kilo ohm
- (D) Ohm

Answer-B

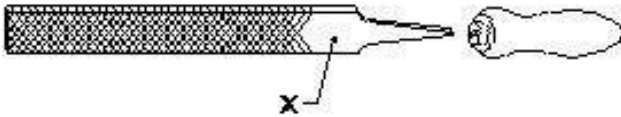


36- Which type of motor is used in the wet grinder?

- A) Universal motor
- (B) Shaded pole motor
- C) Capacitor start induction run motor
- (D) Repulsion motor

Answer-C

37- What is the name of the part marked 'X' as shown in the figure?



- (A) Point
- (B) Tang
- (C) Edge
- (D) Heel

Answer-D

38- Which wiring installation uses the system earthing?

- (A) Domestic wiring
- (B) Godown wiring
- (C) Substations
- (D) Commercial wiring

Answer-C

39- Which meter is used to measure revolutions per minute?

- (A) Ampere hour meter
- (B) Energy meter
- (C) Tachometer
- (D) Centre zero ammeter

Answer-C

40- What is the effect on the surrounding metal placed in an alternating magnetic field?

- (A) Eddy current
- (B) Skin effect
- (C) Hysteresis
- (D) Dielectric stress

Answer-A

41- Which cooling method is used in the pole mounting distribution transformer?

- (A) Oil forced water forced

- (B) Oil natural air blast
- (C) Oil natural air natural
- (D) Oil forced air forced

Answer-C

42- What is the SI unit of Flux density?

- (A) Weber
- (B) Tesla
- (C) Weber/metre
- (D) Ampere-turns

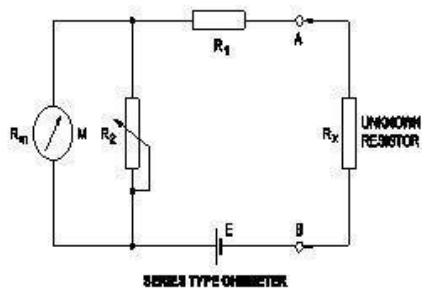
Answer-B

43- Why the ferrite core is used in radio receivers?

- (A) To reduce the electric interference
- (B) To reduce the constant losses
- (C) To decrease the efficiency of receivers
- (D) To increase the quality of sound

Answer-B

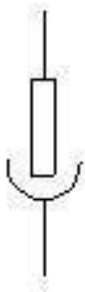
44- What is the purpose of the shunt resistor 'R2' used in series type Ohm meter circuit?



- (A) To prevent the excess current in the circuit
- (B) To adjust the zero position of the pointer
- (C) To limit the current in the circuit
- (D) To increase the value of meter resistance

Answer-B

45- What is the name of the symbol as shown in the figure?



- (A) Link

- (B) Pull switch
- (C) Plug and socket
- (D) Fuse

Answer-C

46- What is the use of die stock set?

- (A) Cut internal threads on cylindrical pipe
- (B) Cut external threads on square pipe
- (C) Cut internal threads on rectangular pipe
- (D) Cut external threads on cylindrical pipe

Answer-D

47- What is the phase angle difference between any two phases in a 3 phase system?

- (A) 90°
- (B) 360°
- (C) 180°
- (D) 120°

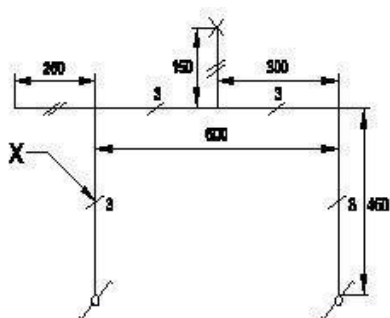
Answer-D

48- Where the recording instrument is used?

- (A) To display the quantity
- (B) To indicate the quantity
- (C) To measure the quantity
- (D) To register the quantity

Answer-D

49- What does the symbol marked 'X' indicate as shown in the figure?



- (A) Number of clamps (or) clips to be fixed
- (B) Number of battem (or) pipe to be fixed
- (C) Number of switches to be connected
- (D) Number of wires run on the limb

Answer-D

50- Which is a paramagnetic substance?

- (A) Steel
- (B) Air
- (C) Water
- (D) Glass

Answer-B

51- What will be the readings of two watt meters (W1 & W2) in 3 phase power measurement, if the power factor is zero?

- (A) W1 is equal to W2 but with opposite signs
- (B) W1 & W2 both are negative reading
- (C) W1 is unequal to W2 but with opposite signs
- (D) W1 & W2 both are positive reading

Answer-A

52- What does the number 1.40 represent if a stranded conductor is designated as 7/1.40?

- (A) Area of cross section
- (B) Radius of one conductor
- (C) Diameter of each conductor
- (D) Diameter of all conductor

Answer-C

53- What is the disadvantage of the tree system of wiring of Multistoried building?

- (A) Constant voltage distribution
- (B) Difficult in fault finding with many fuses
- (C) Offers minimum voltage drop
- (D) Easy load balancing

Answer-B

54- What is the ratio between the peak value and RMS value?

- (A) Effective value
- (B) Peak factor
- (C) Form factor
- (D) Rms factor

Answer-B

55- What is the purpose of tap changer in the power transformers?

- (A) Maintain the primary voltage constant
- (B) Maintain the voltage ratio constant
- (C) Load the transformer for maximum efficiency
- (D) Maintain the secondary voltage constant

Answer-D

56- Which apparatus is used to check the charging condition of the battery?

- (A) Voltmeter
- (B) High rate discharge tester
- (C) Multimeter

(D) Hydrometer

Answer-B

57- What is the name of the resistor if its resistance value increase with increase in temperature?

(A) Sensistors

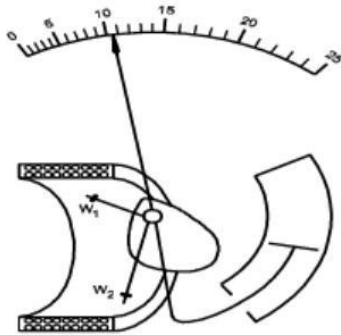
(B) Thermistors

(C) Varistors

(D) Light Dependent Resistor (LDR)

Answer-A

58- What is the type of instrument as shown in the figure?



(A) Dynamo meter type moving coil

(B) Repulsion type moving iron

(C) Permanent magnet moving coil

(D) Attraction type moving iron

Answer-D

59-What is the function of leak transformer in high pressure sodium vapour lamp circuit?

(A) Reduce the starting current

(B) Ignite the high voltage initially

(C) Increase the working current

(D) Increase the working voltage

Answer-B

60-How many electrons are there in the third shell of the copper atom?

(A) 18 (B) 29 (C) 8 (D) 13

Answer-A

61-Which test is conducted to locate the faults in U.G. cables?

(A) External growler test

(B) Looptest

(C) Insulation resistance test

(D) Break down voltage test

Answer-B

62- What will be the change in value of capacitance if the distance of the plates are decreased in the capacitor?

- (A) Remains same
- (B) Increases
- (C) Becomes zero
- (D) Decreases

Answer-B

63- Which 3 phase system requires the artificial neutral to measure the phase voltage?

- (A) 3 wire delta connected system
- (B) 3 wire star connected system
- (C) Scott connection system
- (D) 4 wire star connected system

Answer-A

64- How many two way switches minimum required in godown wiring circuit to control four lamps?

- (A) 5
- (B) 2
- (C) 4
- (D) 3

Answer-D

65- Which is used as a positive electrode in a dry cell?

- (A) Lithium (B) Carbon
- (C) Zinc (D) Copper

Answer-B

66- What indicates the shape of a BH curve (Hysteresis loop) of material?

- (A) Pulling power of the magnetic material
- (B) Field intensity of the substance
- (C) Magnetic properties of the material
- (D) Reluctance of the material

Answer-C

67- What is the Electro Chemical Equivalent (ECE) of copper?

- (A) 0.329 g/coulomb
- (B) 0.329 mg/coulomb
- (C) 1.1182 mg/coulomb
- (D) 1.1182 g/coulomb

Answer-B

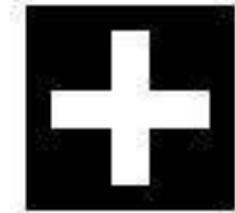
68- Which effect of the electric current takes place in the neon lamp?

- (A) Heating effect
- (B) Gas ionization effect

- (C) Magnetic effect
- (D) Chemical effect

Answer-B

69- What is the name of the safety sign as shown in the figure?



- (A) Information sign
- (B) Warning sign
- (C) Mandatory sign
- (D) Prohibition sign

Answer-A

70- What is the effect if a person receives a shock current of 20 mA?

- (A) Heart convulsions
- (B) Become unconscious
- (C) Painful shock
- (D) No sensation

Answer-C

71- Which method is used to reduce the value of earth resistance?

- (A) By connecting a number of earth electrodes in series
- (B) By reducing the size of earth electrode
- (C) By pouring water in the earth pit at repeated intervals
- (D) By decreasing the depth of earth electrodes

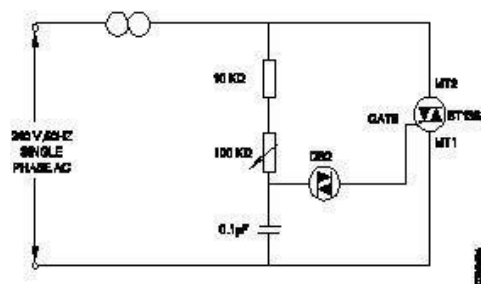
Answer-C

72- Which formula is used to calculate the form factor (Kf) in an AC circuit?

- (A) $K_f = \text{Maximum value} / \text{Average value}$
- (B) $K_f = \text{Effective value} / \text{Average value}$
- (C) $K_f = \text{Effective value} / \text{Maximum value}$
- (D) $K_f = \text{Average value} / \text{Effective value}$

Answer-D

73- What is the name of the circuit as shown in the figure?



- (A) Electronic voltage stabilizer
- (B) Electronic voltage multiplier

- (C) Electronic fan regulator
- (D) Electronic triggering circuit of SCR

Answer-C

74- Which type of motor is used in the wet grinder?

- (A) Shaded pole motor
- (B) Universal motor
- (C) Capacitor start induction run motor
- (D) Repulsion motor

Answer-C

75- Which type of joint is used for extending the length of conductor in over head lines?

- (A) Western Union joint
- (B) Scarred joint
- (C) Britannia "T" joint
- (D) Aerial tap joint

Answer-A

76- What is the SI unit of Flux density?

- (A) Weber/metre (C) Tesla
- (B) Weber (D) Ampere-turns

Answer-C

77- What is the formula for the equivalent resistance (R_T) of the three resistors R_1 , R_2 & R_3 are connected in parallel?

- (A) $R_T = 1/R_1 + 1/R_2 + 1/R_3$ (C) $R_T = 1/(R_1 + R_2 + R_3)$
- (B) $R_T = R_1 - R_2 - R_3$ (D) $1/R_T = 1/R_1 + 1/R_2 + 1/R_3$

Answer-D

78- What is the function of circuit breaker?

- (A) Breaks the circuit automatically at normal condition
- (B) Connects the circuit automatically at abnormal condition
- (C) Makes the circuit automatically at abnormal condition
- (D) Breaks the circuit automatically at abnormal condition

Answer-D

79- What is the use of Britannia 'T' joint?

- (A) Extending the length of the lines
- (B) Mechanical stress not required on conductor
- (C) Tapping the service connection from overhead lines
- (D) Inside and outside wiring installation

Answer-C

80- What is the purpose of the bedding insulation in the U.G.cable?

- (A) Protect armoring from atmospheric condition
- (B) Protect the metallic sheath against corrosion
- (C) Protect the cable from mechanical injury
- (D) Protect the cable from moisture and gases

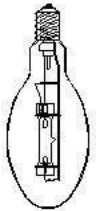
Answer-B

81- Which type of relay can be operated on both A.C and D.C supply?

- (A) Ferred relay
- (B) Impulse relay
- (C) Dry reed relay
- (D) Thermal relay

Answer-B

82- What is the name of the lamp as shown in the figure?



- (A) MA type HPMV lamp
- (B) MAT type MV lamp
- (C) MB type HPMV lamp
- (D) HP metal halide lamp

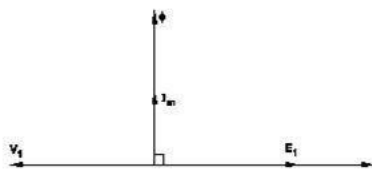
Answer-A

83- What is the advantage of the concealed wiring?

- (A) Less voltage drop
- (B) Easy to maintain
- (C) Protection against moisture
- (D) High insulation resistance

Answer-C

84- What is the relationship between the primary voltage (E_1, V_1) and secondary voltage (E_2, V_2) in a ideal transformer?



- (A) $E_1 < V_1$ and $E_2 < V_2$
- (B) $E_1 > V_1$ and $E_2 > V_2$
- (C) $E_1 = V_1$ and $E_2 = V_2$
- (D) $E_1 = V_2$ and $E_2 = V_1$

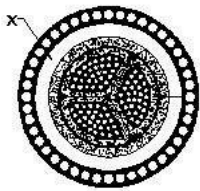
Answer-C

85- What is the purpose of the circuit diagram in wiring installation?

- (A) To estimate the various accessories in the circuit
- (B) To show the schematic connection of the circuit for a specific task
- (C) To estimate the cost of various accessories
- (D) To show the physical position of accessories

Answer-B

86- What is the name of the part marked 'X' of the belted U.G cable as shown in the figure?



- (A) Lead sheath
- (B) Paper insulation
- (C) Armouring
- (D) Jute filling

Answer-A

87- What is the purpose of the phase sequence meter?

- (A) To measure the voltage of 3 phase system
- (B) To control the speed of 3 phase motor
- (C) To protect the motor against short circuit fault
- (D) To indicate the phase sequence of 3 phase system

Answer-D

88- Which electrical quantity causes for the heat generation in a conductor?

- (A) Square of the resistance
- (B) Voltage
- (C) Square of the voltage
- (D) Square of the current

Answer-D

89- Which type of meter is used to test the polarity of battery?

- (A) Dynamo meter type wattmeter
- (B) Moving iron ammeter
- (C) Moving coil voltmeter
- (D) Moving iron voltmeter

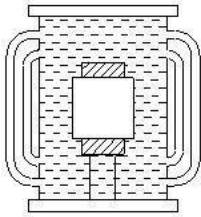
Answer-C

90- What is the reason for supplying AC to the electrodes for measuring earth resistance?

- (A) Reduce the value of current in the meter
- (B) Protect the coils in the meter
- (C) Avoid the effect of electrolytic emf interference
- (D) Provide electrostatic shield

Answer-C

91- What is the cooling method of the transformer as shown in the figure?



- (A) Oil forced air forced cooling
- (B) Oil natural water forced cooling
- (C) Oil natural air forced cooling
- (D) Oil natural cooling

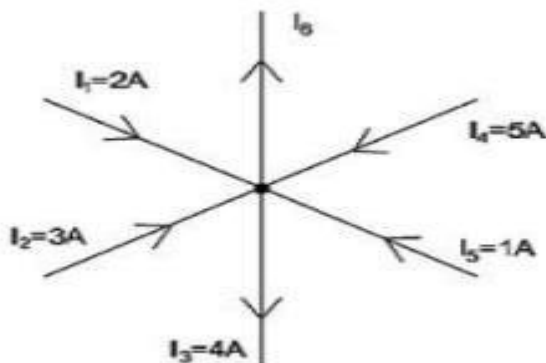
Answer-D

92- How the cable size is decided for the power wiring?

- (A) By the load current
- (B) By type of load
- (C) By the load power factor
- (D) By the applied voltage

Answer-A

93- What is the value of current in the I6?



- (A) 5 A
- (B) 3 A
- (C) 7 A
- (D) 8 A

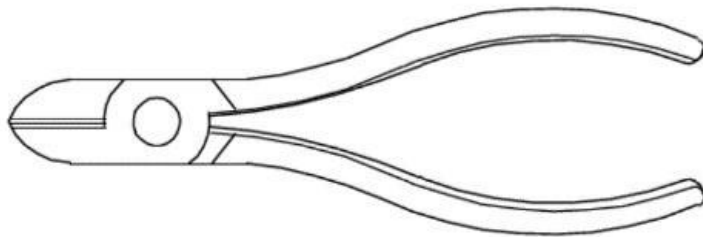
Answer- C

94- What is the total power by two wattmeter (W1 & W2) method, if one of the wattmeter (W2) reading is taken after reversing?

- (A) $W1 - W2$
- (B) $W1$ only
- (C) $W1 \times 2$
- (D) $W1 + W2$

Answer-A

91- What is the name of the tool as shown in the figure?



- (A) Diagonal cutting pliers
- (B) Nose pliers
- (C) Crimping tool
- (D) Combination pliers

Answer-A

92- How to identify the moving iron type instrument?

- (A) Terminal marked (+) and (-)
- (B) Terminal marked (+) only
- (C) No terminal marking
- (D) One terminal coloured red

Answer-C

93- What is the unit of sensitivity in voltmeter?

- (A) Ohm / metre
- (B) Volt / ohm
- (C) Ohm metre
- (D) Ohm / volt

Answer-D

94- What is the line voltage in 3 phase system if the phase voltage is 240V?

- (A) 415 Volt
- (B) 440 Volt
- (C) 380 Volt
- (D) 400 Volt

Answer-A

95- Which type of lamp holder is used for the incandescent lamps of above 300 watts?

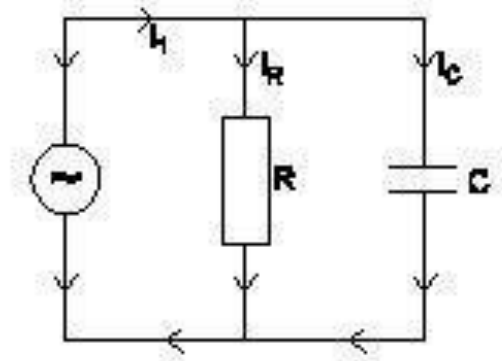
- (A) Goliath edison screw type holder
- (B) Edison screw type holder
- (C) Porcelain batten holder
- (D) Porcelain angle holder

Answer-A

96- What is the formula to calculate the line current (I_L) of R-C parallel circuit as shown in the figure?

- (A) $I_L = \sqrt{I_R^2 + I_C^2}$
- (B) $I_L = I_R^2 + I_C^2$
- (C) $I_L = \sqrt{I_R^2 - I_C^2}$
- (D) $I_L = I_R^2 - I_C^2$

Answer- A



97- Why the vent plug is kept open during charging of a battery?

- (A) To allow oxygen enter inside
- (B) To escape the gas freely
- (C) To check the colour changes in the plates
- (D) To check the level of electrolyte

Answer-B

98- How to determine the core loss of a transformer?

- (A) By ratio test
- (B) By short circuit test
- (C) By open circuit test
- (D) By impulse test

Answer-C

99- What is the function of the neutral conductor in AC supply system?

- (A) Maintains the load current constant
- (B) Increases the voltage level
- (C) Provides the return current path
- (D) Reduces the voltage drop in wiring

Answer-C

100- Which method is used for measuring 1 Ohm to 1 megaohm range resistance?

- (A) Voltmeter and ammeter method
- (B) Wheat stone bridge method
- (C) Substitution method
- (D) Kelvin bridge method

Answer-B

101- Which material is coated in tungsten electrode of a fluorescent tube lamp?

- (A) Barium and strontium oxide
- (B) Silver oxide
- (C) Phosphor powder
- (D) Fluorescent powder

Answer-A

102- What is the resistance of Light Dependent Resistor (LDR), if the intensity of light is increased?

- (A) Increases
- (B) Decreases
- (C) Becomes infinity
- (D) Remains same

Answer-B

103- Where the air capacitors are used?

- (A) In oscillator
- (B) In VHF unit VHF
- (C) In loudspeaker
- (D) In radio receiver

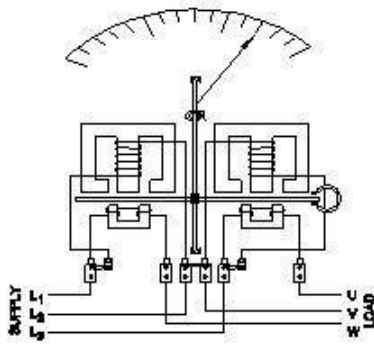
Answer-D

104- Which electrical quantity is unable to measure directly by the multimeter?

- (A) AC voltage
- (B) Resistance
- (C) Power
- (D) DC voltage

Answer-C

105- What is the type of wattmeter as shown in the figure?



- (A) Three element 3 phase wattmeter
- (B) Three element 4 wire wattmeter
- (C) Two element 3 phase wattmeter
- (D) Three phase two element with C.T & P.T

Answer-C

106- What is the name of the tool as shown in the figure?



- (A) Tack hammer
- (B) Claw hammer
- (C) Ball peen hammer
- (D) Cross peen hammer

Answer-C

107- Where the pipe jumper is used in the wiring?

- (A) To make through holes on the wall
- (B) To make holes on wooden board
- (C) To chip the wall for fixing switch boxes
- (D) To make pilot holes on the wall for fixing accessories

Answer-A

108- Which material is used to make the heating element of cooking range?

- (A) Copper
- (B) Aluminium
- (C) Nichrome
- (D) Silver

Answer-C

109- Which is used as a top layer of a solar cell?

- (A) Aluminium
- (B) Silver

- (C) Silicon
- (D) Copper

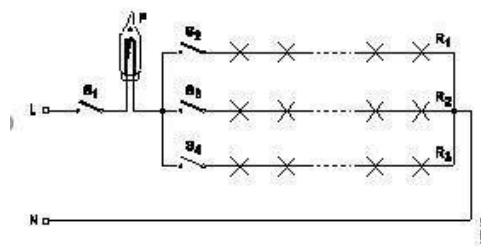
Answer-C

110- What is the purpose of the explosion vent in a power transformer?

- (A) Pressure releasing
- (B) Moisture releasing
- (C) Heat releasing
- (D) Air releasing

Answer-A

111- What is the current carrying capacity of flasher, if the current is 100 mA in each row?



- (A) 100 mA
- (B) 200 mA
- (C) 300 mA
- (D) 50 mA

Answer-C

112-Which type of soldering flux is used for soldering aluminium conductors?

- (A) Tallow
- (B) Zinc chloride
- (C) Salammonia
- (D) Kynal flux

Answer-D

113-What is the working principle of the earth resistance tester?

- (A) Mutual induction
- (B) Fall of potential method
- (C) Self-induction
- (D) Fleming's left hand rule

Answer-B

114-What is the rated AC voltage for single phase domestic supply in India?

- (A) 440 V
- (B) 415V
- (C) 240V
- (D) 110V

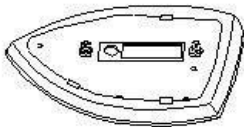
Answer-C

115-What is the formula to find the 3phase reactive power (P_r) if the line voltage is ' V_L ' and linecurrent is ' I_L '?

- (A) $P_r = 3V_L I_L \cos\theta$
- (B) $P_r = \sqrt{3} V_L I_L \cos\theta$
- (C) $P_r = V_L I_L$
- (D) $P_r = \sqrt{3} V_L I_L \sin\theta$

Answer-D

116- What is the name of the part of electric iron as shown in the figure?



- (A) Sole plate
- (B) Asbestos sheet
- (C) Pressure plate
- (D) Mica insulation

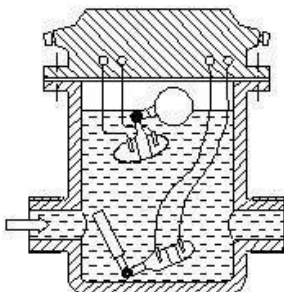
Answer-A

117- What is the Electro Chemical Equivalent (ECE) of silver?

- (A) 0.001182 mg/coulomb
- (B) 0.1182 mg/coulomb
- (C) 0.01182 mg/coulomb
- (D) 1.1182 mg/coulomb

Answer-D

118- What is the name of the part in power transformer as shown in the figure?



- (A) Breather
- (B) Tap charger
- (C) Buchholz relay
- (D) Explosion vent

Answer-C

119- What is the formula to find the Electro Motive Force (EMF)?

- (A) $EMF = \text{Potential difference} + \text{voltage drop}$ EMF
- (B) $EMF = \text{Potential difference} + 2 \times \text{voltage drop}$ EMF
- (C) $EMF = \text{Potential difference} - \text{voltage drop}$ EMF
- (D) $EMF = \text{Potential difference} + \text{voltage drop}/2$ EMF

Answer-A

120- What is the function of soft iron core in a moving coil instrument?

- (A) Strengthens the deflection force
- (B) Provides meter with maximum sensitivity
- (C) Provide uniform distribution of magnetic flux in air gap
- (D) Controls the needle's movement

Answer-C

121- Which factor affects the polarity of the electromagnet?

- (A) Strength of current
- (B) Length of the coil
- (C) Strength of the magnetic field
- (D) Direction of current

Answer-D

122- What is the main cause for very low lagging power factor in 3 phase system?

- (A) Reactive power due to more capacitive load
- (B) Reactive power due to more inductive load
- (C) Due to fluctuation of voltage
- (D) True power due to resistive load

Answer-B

123- Which test is conducted to locate the faults in U.G. cables?

- (A) Loop test
- (B) Insulation resistance test
- (C) Break down voltage test
- (D) External growler test

Answer-A

124- What is the full form of BIS?

- (A) Board of Indian Standards
- (B) Bureau of International Standards
- (C) Board of International Standards
- (D) Bureau of Indian Standards

Answer-D

125- Which transformer is used to measure high voltage?

- (A) Current transformers
- (B) Pulse transformers
- (C) Potential transformers
- (D) Ignition transformers

Answer-C

126- What is the fusing factor for high rupturing capacity fuses (HRC)?

- (A) 1.0
- (B) 1.7
- (C) 1.4
- (D) 1.1

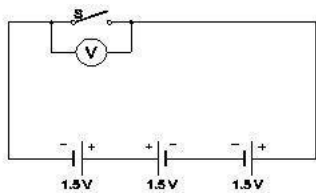
Answer-D

127- What is the value of resistance of an open circuit?

- (A) Zero
- (B) Infinity
- (C) Medium
- (D) Low

Answer-B

128- What is the total output voltage of the circuit as shown in the figure?



- (A) 4.5 V
- (B) 0 V
- (C) 1.5 V
- (D) 3.0 V

Answer-A

129- Where the flexible cords are used in the domestic installation?

- (A) In portable appliances
- (B) In concealed wiring
- (C) In DB box wiring
- (D) In switch box wiring

Answer-A

130- Which factor is determining the value of capacitance in capacitor?

- (A) Volume of the plates
- (B) Area of the plates
- (C) Weight of the plates
- (D) Thickness of the plates

Answer-B

131- What is the name of the drill bit as shown in the figure?



- (A) Flatdrill bit
- (B) Countersink bit
- (C) Taper shank bit
- (D) Straight shank bit

Answer-C

132- What is the reciprocal of reactance in an AC parallel circuit?

- (A) Conductance
- (B) Susceptance
- (C) Admittance
- (D) Impedance

Answer-B

133- What is the name of the accessory used in electrical appliances as shown in the figure?



- (A) Flat connector with side entry
- (B) Iron connector with direct entry
- (C) Three pinsocket
- (D) 2 Pin socket

Answer-B

134- What will be the change in value of capacitance if the distance of the plates are decreased in the capacitor?

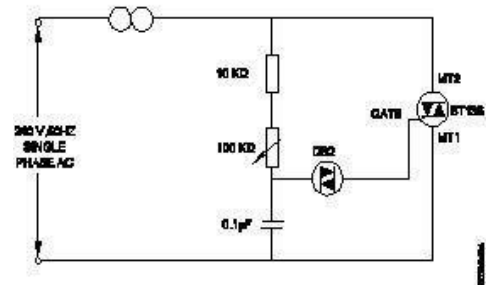
- (A) Remains same
- (B) Increases
- (C) Becomes zero
- (D) Decreases

Answer-B

135- What is the name of the circuit as shown in the figure?

- (A) Electronic voltage stabilizer
- (B) Electronic voltage multiplier
- (C) Electronic fan regulator
- (D) Electronic triggering circuit of SCR

Answer-C



136- What is the SI unit of Flux density?

- (A) Weber/metre
- (B) Weber
- (C) Tesla
- (D) Ampere-turns

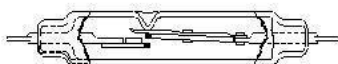
Answer-C

137- Which material is used as heat insulator in between the outer casing and inner tank of a geyser?

- (A) Paper
- (B) PVC
- (C) Glasswool
- (D) Plastic

Answer-C

138- What is the name of the relay as shown in the figure?



- (A) Impulse relay
- (B) Mercury wetted contact relay
- (C) Dry reed relay
- (D) Ferreed relay

Answer-C

139- Which electrical effect that the single phase analog energy meter works?

- (A) Chemical effect
- (B) Induction effect
- (C) Electrostatic effect
- (D) Heating effect

Answer-B

140- Which is the correct expression of capacitance 'C' if the electric charge is 'Q' and the voltage is 'V'?

- (A) $C = Q/V$
- (B) $C = QV$

- (C) $C = VQ$
- (D) $C = Q/V$

Answer-A

141-Which device provides the ignition voltage and act as choke in a HPSV lamp?

- (A) Leak transformer
- (B) Arc tube
- (C) Sodium vapour
- (D) High pressure aluminium oxide

Answer-A

142-What is starving in extinguishing of fire?

- (A) Using water to cool the fire
- (B) Preventing oxygen supply to the fire
- (C) Adding fuel to the fire
- (D) Removing fuel element from the fire

Answer-D

143-What is the effect of buckling defect in a lead acid battery?

- (A) Bending of the electrodes
- (B) Reducing the density of electrolyte
- (C) Increasing the internal resistance
- (D) Increasing the density of electrolyte

Answer-A

144-Which type of insulation tape is used for domestic wiring?

- (A) Rubber tape
- (B) Varnished cambric tape
- (C) PVC tape
- (D) Friction tape

Answer-C

145- What is the condition for obtaining maximum efficiency from the transformer?

- (A) Copper loss > iron loss
- (B) Copper loss < iron loss
- (C) Copper loss = iron loss
- (D) Copper loss = Eddy current loss

Answer-C

146- Which rule is applied to find the direction of magnetic fields in a solenoid coil?

- (A) Flemings left hand rule
- (B) Right hand palm rule
- (C) Cork screw rule
- (D) Flemings right hand rule

Answer-B

147- What is the value of resistance of an open circuit?

- (A) Low (B) Medium (C) Zero (D) Infinity

Answer-D

148- Which loss of the transformer is determined by the short circuit test?

- (A) Hysteresis loss
(B) Copper loss
(C) Windage loss
(D) Eddy current loss

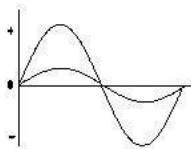
Answer-B

149- Which formula is derived from the Faraday's law of electrolysis?

- (A) $M=Z/l$ (C) $M=lt/Z$
(B) $M=Z/lt$ (D) $M=Zlt$

Answer-D

150- What relationship is illustrated in the figure between the current and voltage wave?



- (A) Current lags behind the voltage
(B) Current and voltage are in out of phase
(C) Current leads ahead of the voltage
(D) Current and voltage are "in phase"

Answer-D

151- Which is used to measure the size of the conductor?

- (A) Bevel gauge
(B) Vernier caliper
(C) Depth gauge
(D) Standard wire gauge

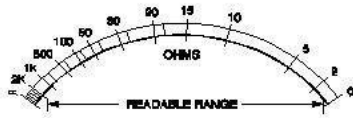
Answer-D

152- What is the form factor (Kf) for the sinusoidal AC?

- (A) 2.22 (C) 4.44
(B) 1.11 (D) 1.00

Answer-B

153- What is the name of the scale as shown in the figure?



- (A) Non-linear scale
- (B) Extended scale
- (C) Fine scale
- (D) Linear scale

Answer-A

154- Which bulb will have lowest resistance?

- (A) 240 V, 100 W
- (B) 240 V, 200 W
- (C) 240 V, 80 W
- (D) 240 V, 500 W

Answer-D

155- Which is a paramagnetic substance?

- (A) Glass
- (B) Water
- (C) Air
- (D) Steel

Answer-C

156- What is the value of phase current if the line current is 20 Amp in delta connection?

- (A) 10 A
- (B) 15.6 A
- (C) 11.55 A
- (D) 20 A

Answer-C

157- What is the expansion of MCB?

- (A) Minimum Current Breaker
- (B) Maximum Current Breaker
- (C) Miniature Circuit Breaker
- (D) Minute Control Breaker

Answer-C

158- Which force is required to move the pointer from the zero position in an indicating instrument?

- (A) Controlling force
- (B) Air friction damping
- (C) Eddy current damping
- (D) Deflecting force

Answer-D

159- Which is the property of a good conductor?

- (A) Low specific resistance
- (B) Low mechanical strength
- (C) High dielectric strength
- (D) High specific resistance

Answer-A

160- What is the purpose of sole plate in electric kettle?

- (A) Acts as an insulator for element
- (B) Keep the element in close contact with container
- (C) Acts as a balancing weight
- (D) Protect the kettle base from damage

Answer-B

161- What is the advantage of the stranded conductor over the solid conductor?

- (A) More flexible
- (B) Cost is less
- (C) More insulation resistance
- (D) Less voltage drop

Answer-A

162- Which electrical quantity is directly proportional to the eddy current?

- (A) Current
- (B) Frequency
- (C) Voltage
- (D) Resistance

Answer-B

163- Which factor changes the permeability of a material?

- (A) Diameter
- (B) Cross sectional area
- (C) Flux density
- (D) Length

Answer-C

164- What is the use of dipsoldering method?

- (A) Piping and cable soldering work
- (B) Soldering of tin sheets
- (C) Soldering miniature components on PCB
- (D) Hard soldering

Answer-C

165- What is the unit of permeance?

- (A) Weber / Ampere turns
- (B) Ampere - turns

(C) Ampere turns / Weber

(D) Weber / Square metre

Answer-A

166- Why the primary of the potential transformer is wound with thin wire and large number of turns?

(A) To offer low impedance

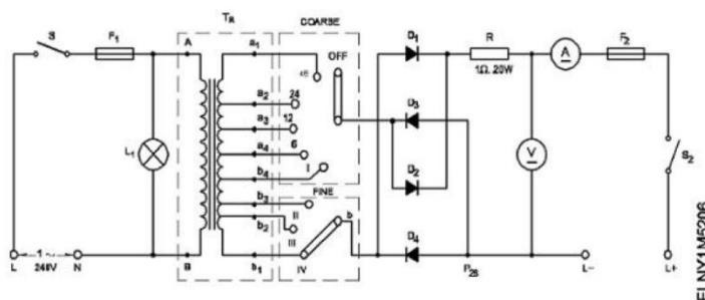
(B) To decrease the secondary current

(C) To increase the primary current

(D) To offer high impedance

Answer-D

167- What is the function of fine selector switch in battery charger?



(A) Selection of voltage range

(B) Selection of charging method

(C) Selection of charging time

(D) Selection of current rating

Answer-D

168- Which is used as an electrolyte in lead acid battery?

(A) Hydrochloric acid

(B) Potassium hydroxide

(C) Ammonium chloride

(D) Diluted sulphuric acid

Answer-D

169- How the capacity of the batteries are specified?

(A) Watt

(B) Ampere hour

(C) Volt

(D) Volt Ampere

Answer-B

170- What is the maximum PVC conduit size to make safe cold bending?

(A) 12 mm

(B) 25 mm

(C) 19 mm

(D) 50 mm

Answer-B

171- Which type of relay can be operated on both A.C and D.C supply?

- (A) Thermal relay
- (B) Impulse relay
- (C) Ferred relay
- (D) Dry reed relay

Answer-B

172- What is the unit of luminous efficiency?

- (A) Lumen/watt
- (B) Lux
- (C) Lumen/m²
- (D) Lumen

Answer-A

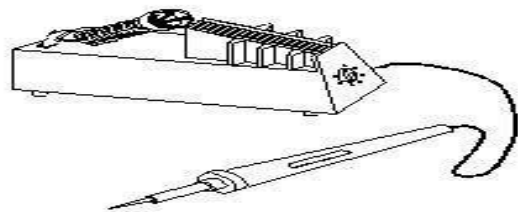
173- What is the purpose of the phase sequence meter?

- (A) To indicate the phase sequence of 3 phase system
- (B) To protect the motor against short circuit fault
- (C) To control the speed of 3 phase motor
- (D) To measure the voltage of 3 phase system

Answer-A

174- What is the name of the soldering method as shown in the figure?

- (A) Temperature controlled soldering
- (B) Dip soldering
- (C) Soldering with blow lamp
- (D) Soldering with soldering gun



Answer-A

175- Which is proportional for the deflection of ohmmeter needle in earth resistance tester?

- (A) Ratio of the current in two coils
- (B) Current in potential coil
- (C) Speed of the handle rotation
- (D) Current in current coil

Answer-A

176- Which power of AC supply is measured by the wattmeter?

- (A) True power
- (B) Instantaneous power
- (C) Reactive power

(D) Apparent power

Answer-A

177-What is the ratio between the peak value and RMS value?

(A) Effective value

(B) Peak factor

(C) Form factor

(D) Rms factor

Answer-B

178-Which is employed in circuit breaker for the thermal over load protection?

(A) Magnetic repulsion

(B) Mechanical vibration

(C) Bimetallic strip

(D) Novoltcoil

Answer-C

179-Which is determined by the crackle test of transformer oil?

(A) Viscosity

(C) Acidity

(B) Dielectric strength

(D) Moisture

Answer-D

180- Which is an application of series circuit?

(A) Electrical lamp in homes

(B) Voltmeter connection

(C) Shunt resistor in ammeter

(D) Fuse in circuit

Answer-D

181- Which type of emf is induced in an auto transformer?

(A) Mutually induced emf

(B) Self induced emf

(C) Dynamically induced emf

(D) Eddy current emf

Answer-B

182- What is the use of the pincer?

(A) Cutting larger diameter of wires

(B) Twisting the flexible wires

Holding small objects, where finger cannot reach

(C) Extracting the pin nails from the wood

Answer-D

183- Why the pointer is anywhere on the scale as the megger is kept idle?

- (A) The deflecting torque is directly proportional to the current
- (B) The deflecting torque is directly proportional to the square of the current
- (C) It is not having controlling Torque
- (D) Provided with air friction damping

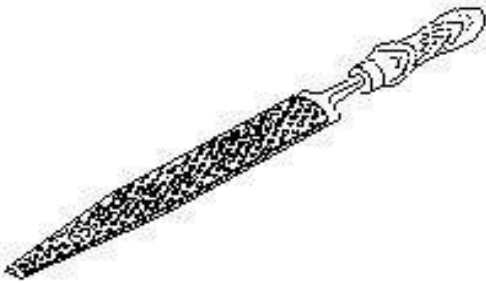
Answer-C

184- What is the disadvantage of solid conductor compared to stranded conductor?

- (A) Less rigidity
- (B) Low melting point
- (C) Low mechanical strength
- (D) Less flexibility

Answer-D

185- What is the name of the file as shown in the figure?



- (A) Curved cut file (B) Double cut file (C) Single cut file (D) Rasp cut file

Answer-D

186- What is the similar term in magnetic circuit for "conductance" in electrical circuit?

- (A) Permeance (C) Permeability
- (B) Reluctivity (D) Reluctance

Answer-A

187- Calculate the heat generated in a electric heater of 1000 watt, 240 volt, worked for 5 minutes.

- (B) 70.5 Kilo calories
- (C) 71.0 Kilo calories
- (D) 72.1 Kilo calories

Answer-A

188- Which classification of accessory the ceiling rose is classified?

- (A) Holding accessories
- (B) General accessories
- (C) Safety accessories
- (D) Outlet accessories

Answer-D

189- When the neutral current is zero in 3 phase system?

- (A) Unbalanced star system
- (B) 3 phase domestic load
- (C) 3 phase commercial load
- (D) Balanced star system

Answer-D

190- How many two way switches along with intermediate switch are used to control one lamp from three different places?

- (A) 2 (C) 3
- (B) 4 (D) 1

Answer-A

191- Which is used as a positive electrode in a dry cell?

- (A) Zinc
- (B) Lithium
- (C) Carbon (D) Copper

Answer-C

192- What is the purpose of underwriter's knot for pendent holder connection?

- (A) Reduce the strain from the terminals of accessories
- (B) Avoid loose connections
- (C) Prevent excessive cap cover pressure
- (D) Increase mechanical strength

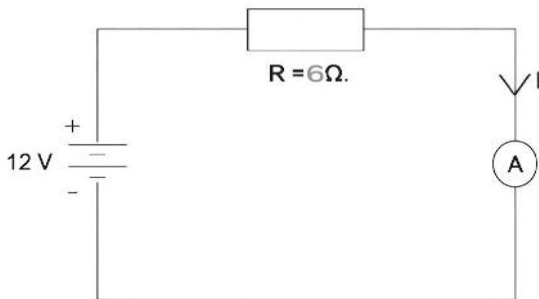
Answer-A

193- What is the unit of Reluctance?

- (A) Ampere turns / metre²
- (B) Weber / metre
- (C) Weber / metre²
- (D) Ampere turns / Weber

Answer-D

194- What is the value of current (I) flowing through the circuit?



(A) 3 A

(B) 2 A

(C) 6 A

(D) 1 A

Answer-B

195- What is the formula to calculate the resonance frequency?

(A) $1 / 2\sqrt{LC}$

(B) $2\pi\sqrt{LC}$

(C) $1 / 2\pi\sqrt{LC}$

(D) $1 / 2\pi LC$

Answer-C

196- Which artificial respiration method is to be performed to the victim with injuries on the chest and belly?

(A) Schafer's method

(B) Holger - Nelson's back pressure method

(C) Mouth to mouth method

(D) Nelson's arm-lift back pressure method

Answer-C

197- What is the megger reading in a dead short wiring installation?

(A) Infinity

(B) 500 MΩ

(C) 0 MΩ

(D) 1 MΩ

Answer-C

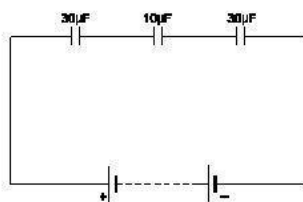
198- What is the name of the symbol as shown in the figure?



- (A) Bell pushswitch
- (B) Multi position switch single pole
- (C) Two wayswitch
- (D) One wayswitch two poles

Answer-B

199- Calculate the total capacitance value in the circuit.



- (A) 0.16 μF
- (B) 6 μF
- (C) 70 μF
- (D) 30 μF

Answer-B

200- What is the S.I. unit of luminous intensity?

- (A) Lumen
- (B) Lux
- (C) Candela
- (D) Steradian

Answer-C

201- What is the value of line current if phase current is 20 Amp in star connection?

- (A) 17.3 A
- (B) 11.56 A
- (C) 20 A
- (D) 10 A

Answer-C

202- Why the system earthing is different from the equipment earthing?

- (A) It is associated with non-current carrying conductors
- (B) It protects human only
- (C) It protects equipment only

(D) It is associated with current carrying conductors

Answer-D

203- Which factor is affected due to the loading effect on measuring instruments?

- (A) High sensitivity
- (B) Low influence error
- (C) Low sensitivity
- (D) High influence error

Answer-C

204- Which law states that the applied voltage in a closed circuit, is equal to the sum of the voltage drops?

- (A) Ohm's law
- (B) Laws of resistance
- (C) Kirchhoff's first law
- (D) Kirchhoff's second law

Answer-D

205- What is the advantage of stepped core arrangement in the larger transformers?

- (A) Reduces the space for core
- (B) Reduces the hysteresis loss
- (C) Minimizes the copper use
- (D) Reduces the eddy current loss

Answer-C

206- What is the reading of the galvanometer in wheat stone bridge at balanced condition?

- (A) High deflection
- (B) Null deflection
- (C) scillate
- (D) Low deflection

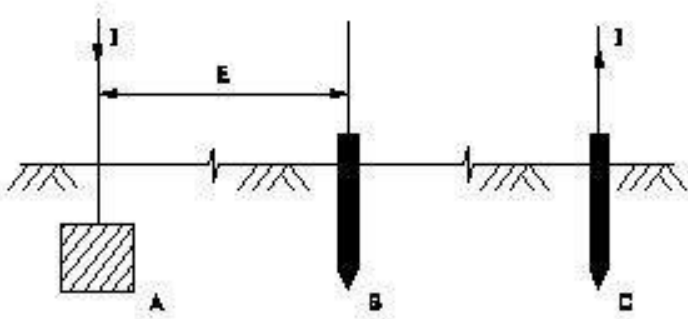
Answer-B

207- What is the change in value of resistance of the conductor, if its cross section area is doubled?

- (A) No change
- (B) Decreases 2 times
- (C) Decreases 4 times
- (D) Increases 2 times

Answer-B

208- Which method of earth resistance measurement is illustrated as shown in the figure?



- (A) Fall of potential
- (B) Fall of current
- (C) Rise of current
- (D) Current dividing

Answer-A

209- Which type of lighting system is used for flood and industrial lighting?

- (A) Direct lighting
- (B) Indirect lighting
- (C) Semi-indirect lighting
- (D) Semi-direct lighting

Answer-A

210-How much time is required for a 50 Hz AC supply to complete one cycle?

- (A) 0.1 second
- (B) 0.45 second
- (C) 0.02 second
- (D) 0.15 second

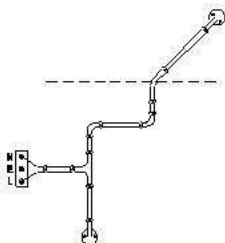
Answer-C

211-Which instrument is an example of an integrating instrument?

- (A) Tangent galvanometer
- (B) Energy meter
- (C) DC voltmeter
- (D) AC voltmeter

Answer-B

212-What is the type of wiring as shown in the figure?



- (A) PVC casing and capping wiring
- (B) Cleat wiring
- (C) PVC conduit wiring

(D) CTS wiring

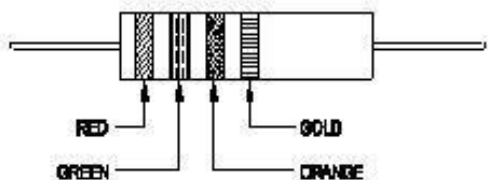
Answer-B

213- What is the function of conservator tank in a transformer?

- (A) Transfers the heat to atmosphere
- (B) Allows expansion of oil level due to load variation
- (C) Allows to release internal pressure
- (D) Prevents the moisture entry

Answer-B

214- Calculate the value of resistance by colour coding method.



- (A) $23 \times 10^4 \pm 10\%$
- (B) $36 \times 10^4 \pm 5\%$
- (C) $25 \times 10^3 \pm 5\%$
- (D) $22 \times 10^3 \pm 10\%$

Answer-C

215- Why the outer tube of a high pressure metal halide lamp made of borosilicate glass?

- (A) Reduce the ultra violet radiation from lamp
- (B) Increase the lighting effect
- (C) Withstand atmospheric pressure
- (D) Withstand heavy temperature

Answer-A

216- Which type of energy meter works with neutral connection?

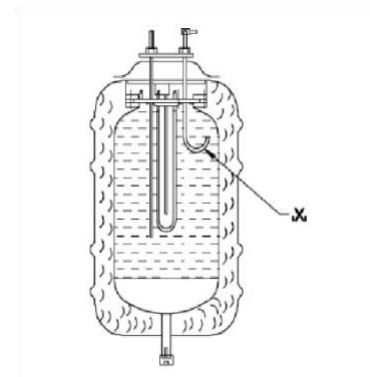
- (A) Three phase two element with CT & PT
- (B) Single phase single element
- (C) Three phase three element
- (D) Three phase two element

Answer-B

217- What is the purpose of U bend marked as 'X' in geyser as shown in the figure?

- (A) Prevents draining of water
- (B) Restricts the air locking inside the tank
- (C) Reduces the pressure of outlet pipe
- (D) Avoids the forming of scales

Answer-A



218- What is the reason for the moving coil meter having uniform scale?

- (A) Deflecting torque is directly proportional to the square of the current
- (B) Deflecting torque is inversely proportional to the square of the current
- (C) Deflecting torque is inversely proportional to the current
- (D) Deflecting torque is directly proportional to the current

Answer-D

219- Which is an absolute instrument?

- (A) Tangent galvanometer
- (B) Energy meter
- (C) Volt meter
- (D) Ammeter

Answer-A

220- Which load condition the phase currents of a 3 phase system are different?

- (A) At balanced resistive load
- (B) At balanced RLC load
- (C) At unbalanced load
- (D) At balanced inductive load

Answer-C

221- What is the function of magnetron tube in a microwave oven?

- (A) Oscillate and produce the cooking frequency
- (B) Changes the polarity every half cycle
- (C) Converts the microwave energy to electrical energy
- (D) Amplifies the microwave signal

Answer-A

222- What is the name of the hammer as shown in the figure?



- (A) Cross pein hammer
- (B) Claw hammer
- (C) Ballpein hammer
- (D) Straight pein hammer

Answer-B

223- Which method of magnetization is used to make commercial purpose permanent magnets?

- (A) Induction method
- (B) Divided touch method
- (C) Double touch method
- (D) Single touch method

Answer-A

224- Which Personal Protective Equipment (PPE) is used for the protection from fumes?

- (A) Apron
- (B) Goggles
- (C) Respirator
- (D) Ear muff

Answer-C

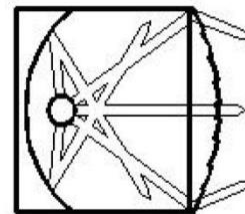
225- Which material is having the negative temperature co-efficient property?

- (A) Eureka
- (B) Mica
- (C) Manganin
- (D) Copper

Answer-B

226- What is the name of the light as shown in the figure?

- (A) Spot light
- (B) Flash light
- (C) Flood light
- (D) Bulk light



Answer-A

227- What protection offered by residual current circuit breaker?

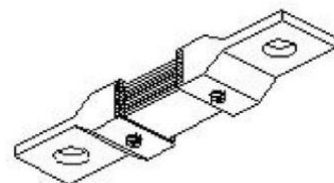
- (A) Protection from the short circuit
- (B) Protection from the over voltage
- (C) Protection from the over load
- (D) Protection from the electric shock

Answer-D

228- What is the name of the shunt resistance material as shown in the figure?

- (A) Manganin
- (B) Copper
- (C) Nichrome
- (D) Eureka

Answer-A



229- Why the damping force is required in a moving coil instrument?

- (A) Bring the needle to rest at final value

- (B) Makes the needle movement faster
- (C) Helps the deflecting force to act fast
- (D) Brings the needle to its zero position

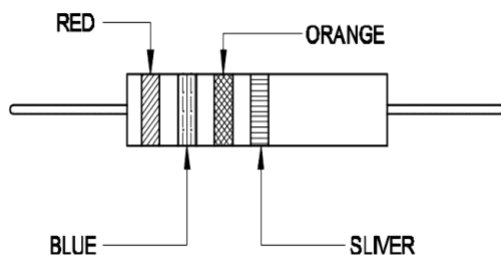
Answer-A

230-What is the effect of the parallel circuit with one branch is opened?

- (A) Whole circuit will not function
- (B) Voltage drop increase in the opened branch
- (C) Current will remain same
- (D) No current will flow in that branch

Answer-D

231-Calculate the resistance value of the resistor by colour coding method.



- (A) $37 \times 10^4 \Omega \pm 5\%$
- (B) $23 \times 10^3 \Omega \pm 5\%$
- (C) $32 \times 10^4 \Omega \pm 10\%$
- (D) $26 \times 10^3 \Omega \pm 10\%$

Answer-D

232- Which layer is provided above the metallic sheath in UG cable?

- (A) Armouring
- (B) Paper Insulation
- (C) Serving
- (D) Bedding

Answer-D

233- What is the purpose of ignitor in high pressure sodium vapour lamp circuit?

- (A) Decreases the starting current
- (B) Generates high voltage pulse at starting
- (C) Increases the running current
- (D) Increases the running voltage

Answer-B

234- What is the back ground colour of the warning signs in the safety sign category?

- (A) Blue (C) Green
- (B) Yellow (D) White

Answer-B

235- Which electrical equipment can be connected with 'L' series MCB?

- (A) Motors
- (B) Halogen lamp
- (C) General lighting
- (D) Air conditioner

Answer-C

236- What is the condition for resonance in RLC series circuit? (Inductive reactance = 'XL', Capacitive reactance = 'XC')

- (A) $X_L = X_C$ (B) $X_L > \sqrt{2} X_C$ (C) $X_L < X_C$ (D) $X_L > X_C$

Answer-A

237- What is the temperature range, maintained by thermostat in geyser?

- (A) 0° C to 130° C
- (B) 0° C to 50° C
- (C) 10° C to 150° C
- (D) 60° C to 65° C

Answer-D

238- What is the effect on molten solder due to repeated melting?

- (A) Tin content reduced
- (B) Lead content reduced
- (C) Even solder flowing in joints
- (D) Prevent slug formation

Answer-A

239- Which layer is provided above the metallic sheath in UG cable?

- A) Armouring
- (B) Paper insulation
- (C) Serving
- (D) Bedding

Answer-D

240- What is the function of magnetron tube in a microwave oven?

- (A) Changes the polarity every half cycle
- (B) Amplifies the microwave signal
- (C) Converts the microwave energy to electrical energy
- (D) Oscillate and produce the cooking frequency

Answer-D

WORKSHOP CALCULATION & SCIENCE

1. How many millimetres are there in 1 inch?

- A. 2.54 mm
- B. 25.4 mm
- C. 24.5 mm
- D. 2.45 mm

Answer: B

2. What is the S.I unit of heat?

- A. Calorie
- B. Joule
- C. Centigrade heat unit
- D. British thermal unit

Answer: B

3. What are fundamental units?

- A. Length, Mass, Volume
- B. Length, Mass, Time
- C. Length, Mass, Area
- D. Length, Pressure, Volume

Answer: B

4. What is the perimeter of a rectangle whose length and breadth are 20 cm and 18 cm?

- A. 56 cm
- B. 66 cm
- C. 76 cm
- D. 86 cm

Answer: C

5. Convert decimal 0.000659 to fraction?

- A. 659/1000
- B. 659/10000
- C. 659/100000
- D. 659/1000000

Answer: D

6. Convert 0.456 decimal fraction into percentage?

- A. 45.6%
- B. 0.0456%
- C. 0.456%
- D. 0.0456%

Answer: A

7. What is the boiling point of water?

- A. 0°C
- B. 32°C
- C. 100°C
- D. 212°C

Answer: C

8. What is the side of a square whose area is 625 mm²?

- A. 15 mm
- B. 20 mm
- C. 25 mm
- D. 30 mm

Answer: C

9. What is called mass per unit volume of a substance?

- A. Mass
- B. Weight
- C. Density
- D. Volume

Answer: C

10. What is the value for specific heat of water?

- A. 4
- B. 3
- C. 2
- D. 1

Answer: D

11. What are the two classifications of system of units?

- A. British and Metric
- B. Gravitational and non-gravitational
- C. Fundamental and derived
- D. Metric and International

Answer: C

12. What is the square root of 529?

- A. 13
- B. 23
- C. 33
- D. 43

Answer: B

13. Which is an example for first order lever?

- A. A wheel barrow
- B. A pair of scissors
- C. Fire tongs
- D. Lime squeezer

Answer: B

14. Which is an example for third order lever?

- A. Common balance
- B. Forceps
- C. A pair of scissors
- D. Lime squeezer

Answer: B

15. How many watts for 1 horse power in British system?

- A. 726 watts
- B. 736 watts
- C. 746 watts
- D. 756 watts.

Answer: C

16. What is the ratio of power output to power input?

- A. Work
- B. Energy
- C. Efficiency
- D. Acceleration

Answer: C

17. What is the value of $\tan 45^\circ$ if $\sin 45^\circ = 1/\sqrt{2}$?

- A. $1/\sqrt{2}$
- B. $\sqrt{3}/2$
- C. 1
- D. $1/\sqrt{3}$

Answer: C

18. What is known for the temperature at which any solid melts into liquid?

- A. Boiling point
- B. Melting point
- C. Latent heat of fusion
- D. Latent heat of vaporisation

Answer: B

19- Which is equal to $\sin\theta$?

- (A) Opposite side / Hypotenuse
- (B) Hypotenuse / Adjacent side
- (C) Hypotenuse / Opposite side
- (D) Adjacent side / Hypotenuse

Answer-A

20-Which is example for second order lever?

- (A) A pair of scissors
- (B) Human forearm
- (C) Bottle opener
- (D) Common balance.

Answer-C

21- What is the square of 0.01?

- (A) 0.0001
- (B) 0.00001
- (C) 0.001
- (D) 0.000001

Answer-A

22- Which metal contains iron as a major content?

- (A) Ferrous metal
- (B) Bronze metal
- (C) Zinc
- (D) Brass metal

Answer-A

23- What denotes letter 'M' in MKS system?

- (A) Mile
- (B) Meter
- (C) Micron
- (D) Millimeter

Answer-B

24- What is termed as the quantity of matter contained in a body?

- (A) Density
- (B) Volume
- (C) Specific gravity
- (D) Mass

Answer-D

25- What is the S.I unit of heat?

- (A) Centigrade heat unit
- (B) British thermal unit
- (C) Calorie
- (D) Joule

Answer-D

26- What is the flow of electrons in any conductor?

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

Answer-D

27- What is the area of a rectangle, whose length and breadth are 10cm and 8cm respectively?

- (A) 90 cm^2
- (B) 85 cm^2
- (C) 80 cm^2
- (D) 75 cm^2

Answer-C

28- Which is the unit of current?

- (A) Ohm
- (B) Watt
- (C) Ampere
- (D) Volt

Answer-C

29- What is the ratio of mechanical advantage to the velocity ratio of a simple machine?

- (A) Efficiency
- (B) Load
- (C) Power
- (D) Effort

Answer-A

30- What is the area of a rectangle, whose length and breadth are 10cm and 8cm respectively?

- (A) 85 cm
- (B) 36 cm
- (C) 75 cm
- (D) 80 cm

Answer-B

31- Which one is non-metal?

- (A) Iron
- (B) Graphite
- (C) Mercury
- (D) Brass

Answer-B

32- Which is very good conductor?

- (A) Cast iron
- (B) Steel
- (C) Wrought iron
- (D) Copper

Answer-D

33- Which is the unit electrical power?

- (A) Volts
- (B) Watts
- (C) Ampere
- (D) Ohms

Answer-B

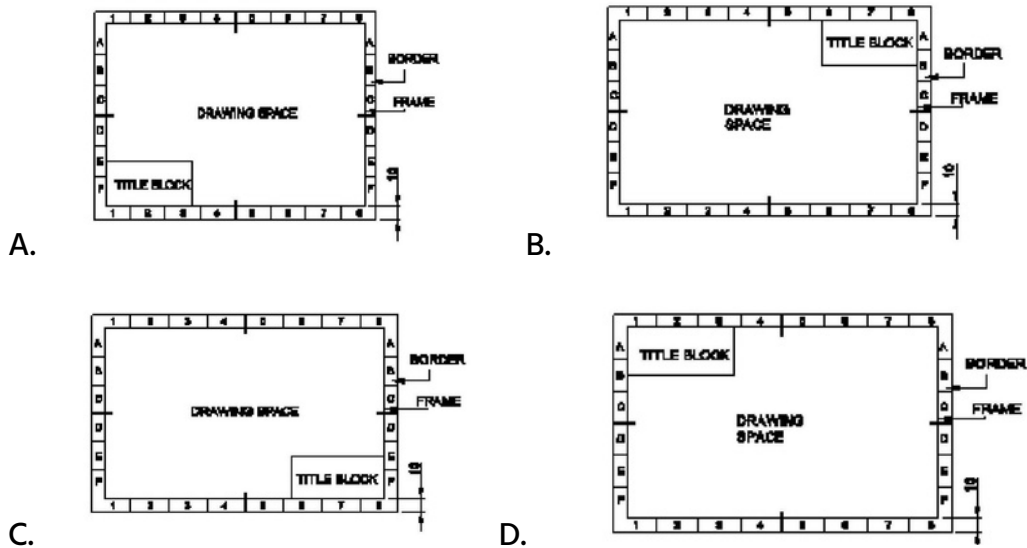
34- Which is mineral insulator?

- (A) Porcelain
- (B) Quartz
- (C) Mica
- (D) Glass

Answer-C

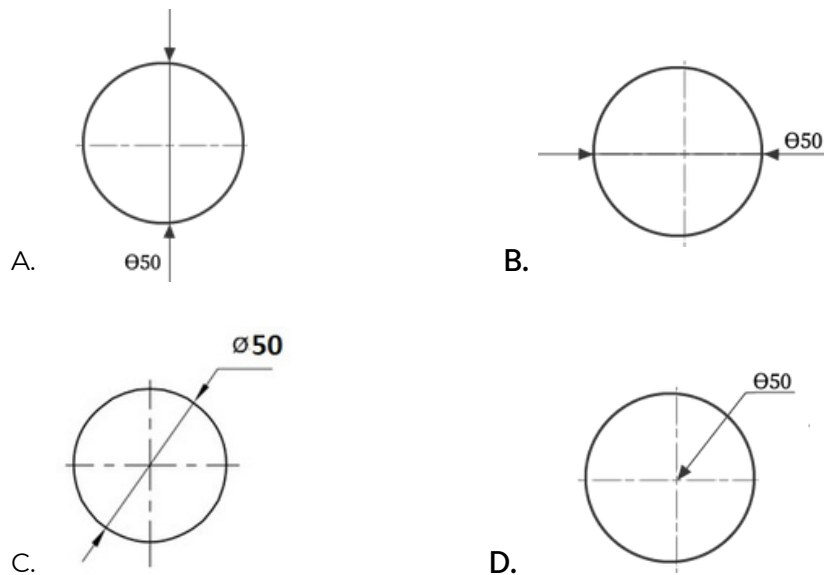
ENGINEERING DRAWING

1. Which title block position is correct as standard practice?



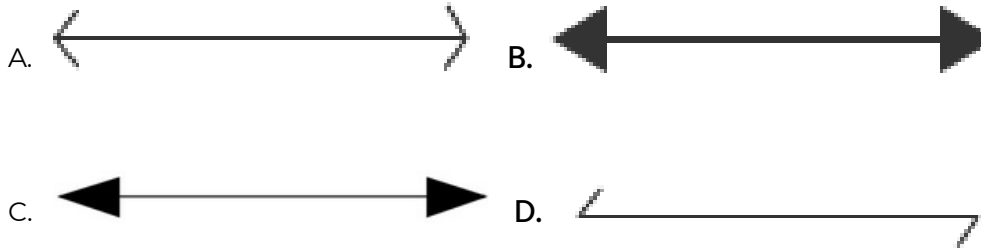
Answer- C

2. Which dimension correctly marked in the circle as per standard?



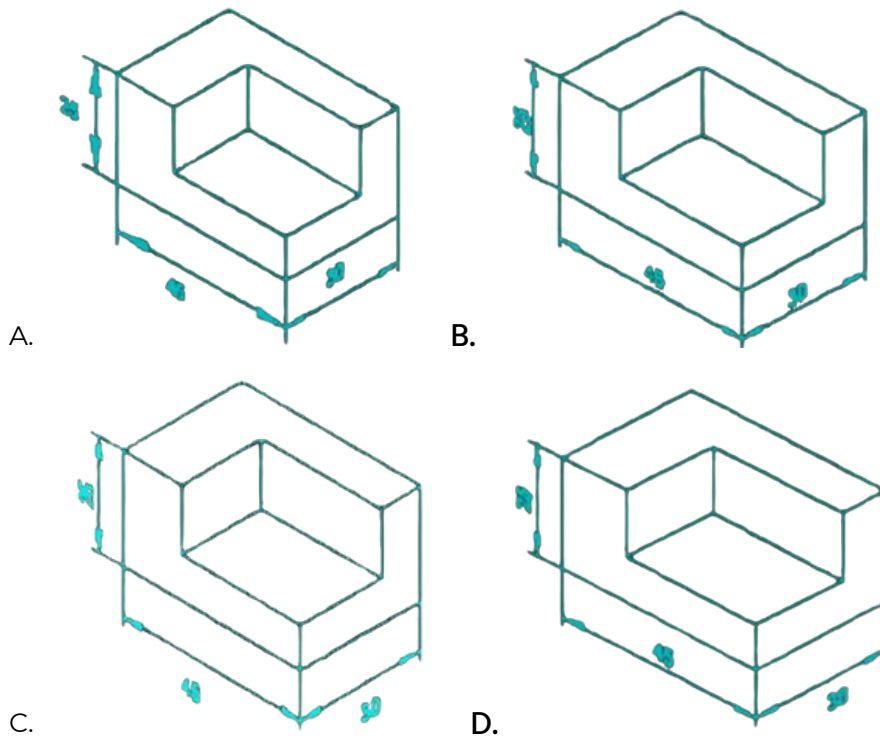
Answer-C

3. Which arrow head is correct as per standard?



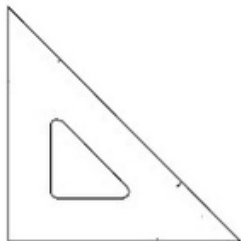
Answer-C

4. Which drawing dimension is correct as per standard drawing practice?



Answer-B

5. Identify the name of set square?



A. 15° set square

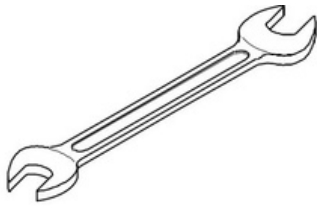
B. 45° set square

C. 60° set square

D. 30° set square

Answer B

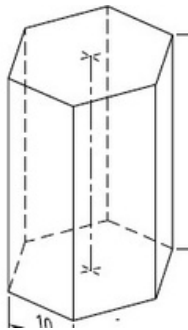
6. Identify the name of tool?



- A. Combination spanner
- B. Open end spanner
- C. Ring spanner
- D. Adjustable spanner

Answer-B

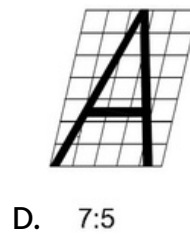
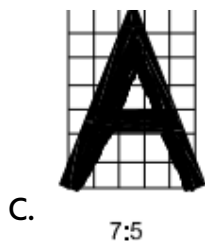
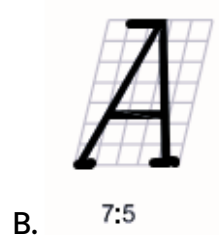
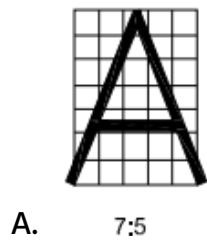
7. Identify the name of prism?



- A. Square prism
- B. Pentagonal prism
- C. Hexagonal prism
- D. Triangular prism

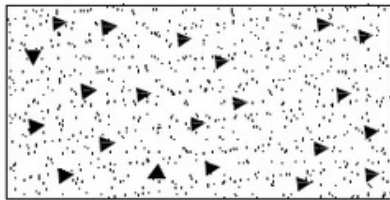
Answer- C

8. Which single stroke inclined letter 'A' is correct as per IS standard?



Answer-D

9. Identify the conventional symbol of material?



A-Glass

B.Concrete

C-Steel

D.Wood

Answer-B

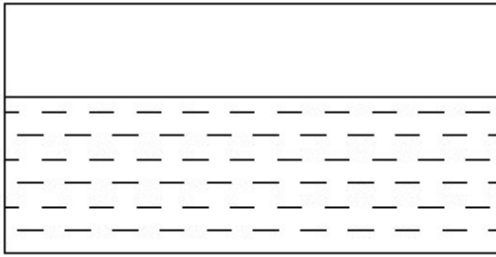
10. What is the trimmed size of A4 sheet?

A. 594 X 841 B.148X210

C. 841 X 1189 D.210X297

Answer-D

11. Identify the conventional symbol of material?



A-Glass

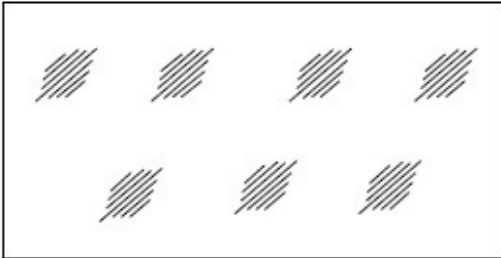
B. Water

Answer-B

C.Asbestos

D. Concrete

12. Identify the conventional symbol of material?



A. Glass

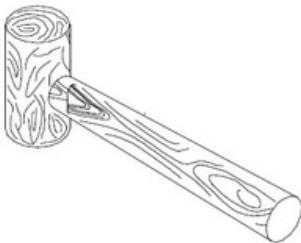
B. Concrete

C. Wood

D. Steel

Answer-A

13. Identify the name of tool?



A- Staright pein hammer

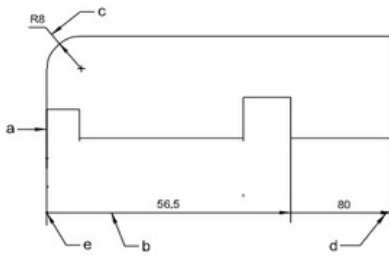
B- Cross pein hammer

C- Ball pein hammer

D- Mallet

Answer-D

14. Identify the line 'b'?



A. Leader line

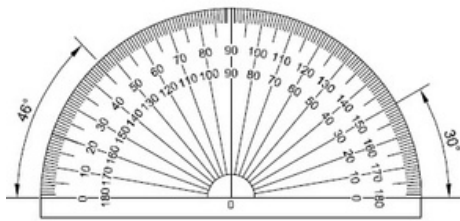
B. Extension line

C. Dimension line

D. Termination of dimension line

Answer-C

15. Identify the name of instrument?



A. Setsquare

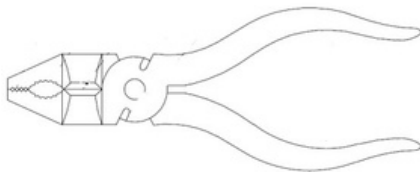
B. Frenchcurve

C. 'T'square

D. Protractor

Answer-D

16. Identify the name of tool?



A. Double cutting shear

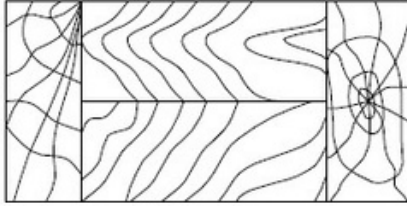
B. Aviation shear

C. Cutting plier

D. Hawk-billed shear

Answer-C

17. Identify the conventional symbol of material?



- A. Lead
- B. Wood
- C. Paper
- D. Glass

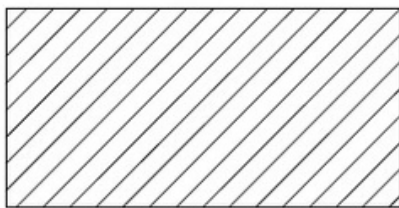
Answer-B

18. Compass used to draw for_____.

- A. circle
- B. triangle
- C. rectangle
- D. square

Answer-A

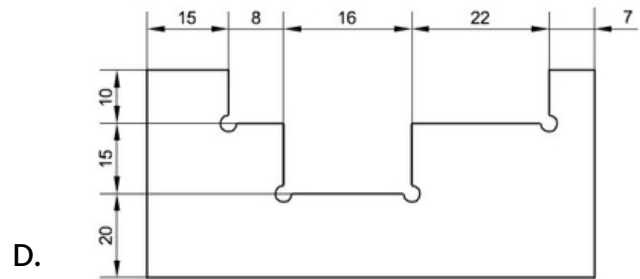
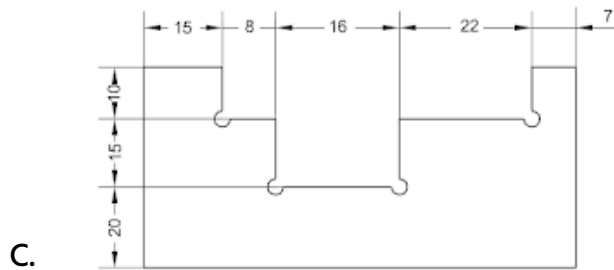
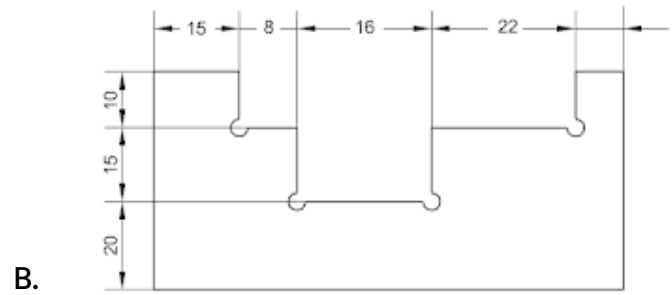
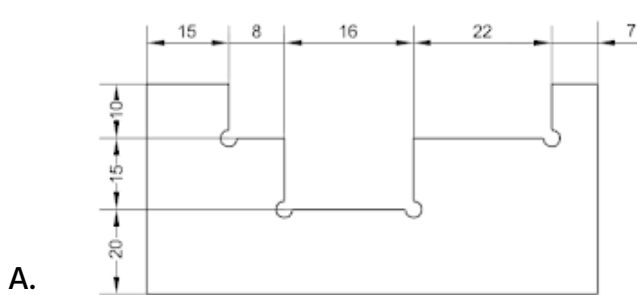
19. Identify the conventional symbol of material?



- A. Porcelain
- B. Lead
- C. Steel
- D. Glass

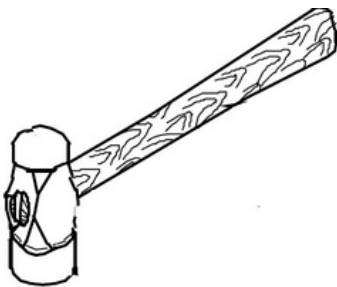
Answer-C

20. Identify the correct aligned system dimension?



Answer-D

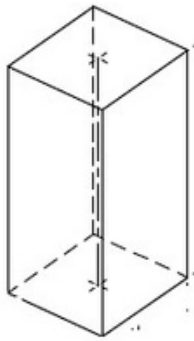
21. Identify the name of tool?



- A- Sledge hammer
- B- Straight pein hammer
- C- Cross pein hammer
- D- Ball pein hammer

Answer-D

22. Identify the name of prism?

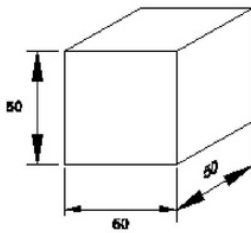


- A. Triangular prism
- B. Hexagonal prism
- C. Square prism
- D. Rectangle prism

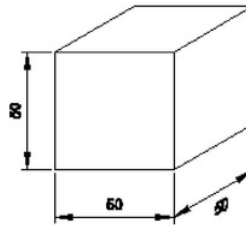
Answer-C

23. Which drawing dimension is correct as per IS standard?

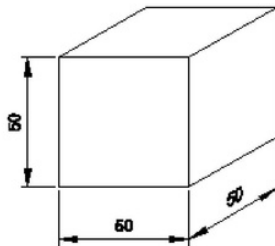
A.



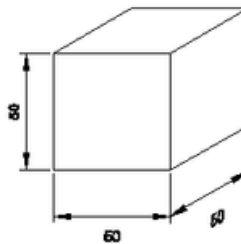
B.



C.

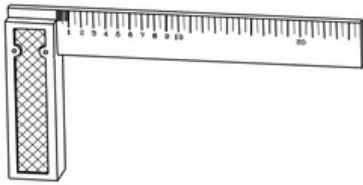


D.



Answer-C

24. Identify the name of tool?



A. Feeler gauge

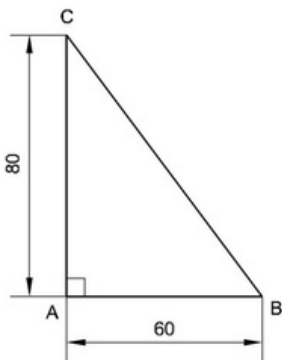
B. Try square

C. Steel rule

D. Surface gauge

Answer-B

25- Identify the name of the triangle?



(A) Scalene triangle

(B) Right angle triangle

(C) Equilateral triangle

(D) Isosceles triangle

Answer-B

Employability Skills 1st Year

1- Expansions of SMS is _____

- (A) Simple Message Service
- (B) Short Mail Service
- (C) Short Message Service
- (D) Simple Memo Service

Answer-C

2- Values are _____

- (A) very costly
- (B) not punctual
- (C) all have same value
- (D) Motivates our attitude and action

Answer-D

3- A wireless technology that connects a laptop to the internet is called _____

- (A) Desktop
- (B) Bluetooth
- (C) Source Network
- (D) WiFi

Answer-D

4- Dedication to a particular work is called _____

- (A) integrity
- (B) commitment
- (C) intelligence
- (D) confidence

Answer-B

5- In MS Excel, collection of work sheet is known as _____

- (A) Excel book
- (B) worksheet
- (C) sheet work
- (D) workbook

Answer-D

6- In which orientation, the text is printed width wise

- (A) Portrait
- (B) Margin
- (C) Landscape
- (D) Width

Answer-C

7- Fill in the blank with suitable place preposition. "My house is _____ the third floor"

- (A) in
- (B) at
- (C) under
- (D) on

Answer-D

8- Which one is NOT a benefit of the role playing?

- (A) Develops creative problem-solving skill
- (B) Develops listening skill
- (C) Builds confidence
- (D) Develops boredom

Answer-D

9- Which one is a search engine?

- (A) Face book
- (B) Hotmail
- (C) Flicker
- (D) Google

Answer-D

10- Which one is in passive voice?

- (A) Her birthday was celebrated by us.
- (B) I have seen that movie.
- (C) Mohan is painting a house.
- (D) She was reading a book.

Answer-A

11- In MS Paint, which extension is not supported _____

- (A) .doc
- (B) .gif
- (C) .png
- (D) .jpeg

Answer-A

12- When is capital letter used?

- (A) Beginning of a sentence
- (B) Names of persons
- (C) Names of places
- (D) All the above

Answer-D

13- An activity that stops or reduces stress is called a stress buster. Which of the following according to you is not a stress buster?

- (A) Spending long hours thinking about the problem
- (B) Gardening
- (C) Listening to music
- (D) Going to bed on time

Answer-A

14- Spread sheets are saved with extension _____

- (A) .doc
- (B) .xls
- (C) .pdf
- (D) .mp3

Answer-B

15- Choose the odd word.

- (A) thanks
- (B) please
- (C) sorry
- (D) paper

Answer-D

16- Information like date of birth, permanent address form a part of one's _____ in the resume.

- (A) Personal details
- (B) Achievements
- (C) Career objectives
- (D) Qualifications

Answer-A

17- PIN stands for _____

- (A) Personal Identification Number
- (B) Professional Identification Number
- (C) Professional Income Number
- (D) Personal Income Number

Answer-A

18- A good way to respond to the question 'Shall we start the discussion?' is _____

- (A) To conclude
- (B) Yes, let's start.
- (C) To sum up
- (D) But, don't you think?

Answer-B

19- It is also important to pay attention to customer's _____ when probing.

- (A) Personal needs
- (B) Friends
- (C) Body language
- (D) Dreams

Answer-C

20- What does 'A' in SMART stand for?

- (A) Awareness
- (B) Action
- (C) Ambitious
- (D) Achievable

Answer-D

21- Which of these is not an online job search platform?

- (A) LinkedIn
- (B) Snapchat
- (C) Glassdoor
- (D) Indeed

Answer-B

22- To be in a job or work is _____

- (A) Employ
- (B) Knowledge
- (C) Aptitude
- (D) Skill

Answer-A

23- Time management is _____

- (A) Managing time
- (B) hard skill
- (C) problem solving
- (D) complete your task on time

Answer-D

24- Money invested in purchasing of raw materials, payment of wages and salaries, rental, electricity etc comes under _____

- (A) capital income
- (B) working capital
- (C) long term capital
- (D) fixed capital

Answer-B

25- Someone is treated differently on their skin colour, income _____

- (A) nature
- (B) unity
- (C) correct
- (D) discrimination

Answer-D

26- You withdraw Rs.500/- from an ATM. The ATM machine gives out Rs.5000/-. Which of the following would be ethically correct?

- (A) Take the money
- (B) Drop the money near ATM
- (C) Give the money to the poor
- (D) Make a complaint

Answer-D

27- The way money is saved, spent and invested

- (A) banking
- (B) salary
- (C) income
- (D) financial literacy

Answer-D

28- Which one is a 'Do's' for interview etiquette?

- (A) Nervousness
- (B) Informal dress
- (C) Excessive gesture
- (D) Calm approach

Answer-D

29- Which one is a social networking site?

- (A) Facebook
- (B) Lotus notes
- (C) Outlook express
- (D) Mozilla

Answer-A

30- Which one is a cyber crime?

- (A) Online gambling
- (B) Chatting with friends
- (C) Sending email
- (D) Online purchasing

Answer-A

31- Jobs that have become outdated in the past 5 years _____.

- (A) swiggy
- (B) uber
- (C) STD booth STD
- (D) ola

Answer-C

32- Motivation is categories into _____.

- (A) high and low
- (B) good and bad
- (C) inner and outer
- (D) intrinsic and extrinsic

Answer-D

33- What does "ASAP" stand for, in SMS language?

- (A) As Soon As Probable
- (B) As Silent As Probable
- (C) As Simple As Possible
- (D) As Soon As Possible

Answer-D

34- A _____ person is someone who works for a person/organization and gets paid for that work.

- (A) Self Employed
- (B) Wage employed
- (C) Entrepreneur
- (D)None of the above

Answer-B

35-Fill in the blank with proper pronoun. "She made this cake _____."

- (A) itself
- (B) herself
- (C) myself
- (D) himself

Answer-B

36-A written description of duties and responsibilities to be carried out in a job is called_____.

- (A) job description
- (B) resume
- (C) job application
- (D) CV

Answer-A

37-Which of the following is true about stress?

- (A)Stress can be managed

- (B) Stress can not be controlled
- (C) Stress can not be decreased
- (D) All of the above

Answer-A

38- I am a welder, I work with _____.

- (A) welding tools
- (B) laptops
- (C) robots
- (D) nail polish

Answer-A

39- Choose the correct response for the given question.

"How have you been?"

- (A) Same to you
- (B) Thank you_ And you?
- (C) On vacation_ And you?
- (D) Very well, And you?

Answer-D

40- You have greeted the customer. Choose which of the following statements you should use to complete the greeting.

- (A) How may I help you?
- (B) What do you want?
- (C) Can you come later?
- (D) Why have you come?

Answer-A

41- Same situation people should be treated in the same way _____

- (A) society
- (B) equality
- (C) unity
- (D) status

Answer-B

42- In SWOT analysis which pair is helpful?

- (A) Threats, Weakness
- (B) Strengths, Opportunities
- (C) Strengths, Weakness
- (D) Threats, Opportunities

Answer-B

43- Which one is a "Do's" of discussion etiquettes?

- (A) Talk about irrelevant details
- (B) Listen to others

- (C) Loose your temper
- (D) Use impolite or rude language

Answer-B

44- Which one is a barrier to speaking?

- (A) Poor listening
- (B) Lack of time
- (C) Nervousness
- (D) Reluctant to read

Answer-C

45- Intrinsic motivation is _____

- (A) to gain social acceptance
- (B) for money or reward
- (C) long lasting
- (D) short lived

Answer-C

46- Which of these following websites are not popular for finding jobs?

- (A) Twitter.com
- (B) Sheroes.com
- (C) LinkedIn.com
- (D) Naukri.com

Answer-A

47- Identify the improper term.

- (A) sound pollution
- (B) green pollution
- (C) water pollution
- (D) air pollution

Answer-B

48- A computer system consists of _____

- (A) hardware and software
- (B) software and program
- (C) circuit diagram
- (D) mouse and keyboard

Answer-A

49- CPU consists of _____.

- (A) Input and output devices
- (B) Storage device and ALU
- (C) Control unit and ALU
- (D) Input device and control unit

Answer-C

50-Which one is considered to be a good communication?

- (A) Sender is positive towards receiver
- (B) Receiver doesn't listen to sender
- (C) Message is ambiguous
- (D) Sender attacks receiver

Answer-A

51-Which of these should be considered while making decisions?

- (A) The choices of your friends
- (B) Your personal priorities
- (C) The rules of your community
- (D) Your mood

Answer-B

52-A soft ware application used to enable computer users to locate and access web page is called_____

- (A) Web server
- (B) web browser
- (C) email
- (D) website

Answer-B

53- Which one is NOT an element of 3P's of public speaking?

- (A) Practice
- (B) Posses
- (C) Prepare
- (D) Perform

Answer-B

54- Word that is pronounced the same as another word but differs in meaning is called _____.

- (A) homophone
- (B) diphthong
- (C) syllable
- (D) homograph

Answer-A

55- Which device is used to connect telephone line to a PC?

- (A) Modem
- (B) Hard disk
- (C) Monitor
- (D) Printer

Answer-A

56- Which punctuation mark should be used in the following sentence?

“Is there any site engineer here”

- (A) ! (exclamation)
- (B) . (full stop)
- (C) , (comma)
- (D) ? (question mark)

Answer-D

57- Feedback helps to _____.

- (A) Improve the service
- (B) Modify the process or system
- (C) Meet customer satisfaction better
- (D) All of the above

Answer-D

58- Ethics means _____

- (A) employability skills
- (B) name of a city
- (C) not relevant to society
- (D) decide what is right and wrong for a human conduct

Answer-D

59- Best way to identify customers needs is _____

- (A) By talking to them and survey
- (B) By advertising on newspaper
- (C) Through 3rd person
- (D) By observation and Message

Answer-A

60- Low level language is also called _____

- (A) assembly language
- (B) machine language
- (C) source code
- (D) middle ware

Answer-B

61- Communication that involves exchanging information without use of words is called _____.

- (A) pictorial communication
- (B) verbal communication
- (C) written communication
- (D) non verbal communication

Answer-D

62- When you greet higher official's such as Teacher, Instructor or Supervisor, you should use _____.

- (A) Good morning
- (B) Hey
- (C) Hi
- (D) Hello

Answer-A

63-Gender stereotypes can be_____.

- (A)personality development
- (B) cheerful
- (C) playful
- (D)harmful and hurtful

Answer-D

64-Which one is NOT a storage device?

- (A)USB flash drive
- (B)Memory card
- (C) Printer
- (D)Videotape

Answer-C

65-Pronunciationrefersto_____.

- (A)production of sound
- (B) consonant
- (C) punctuation
- (D) diphthong

Answer-A

66-CPU standsfor_____.

- (A) Central Processing Unit
- (B) Central Progress Unit
- (C) Central PlanningUnit
- (D) Central Programming Unit

Answer-A

67-Debitcardwillhavehowmanydigit numbers _____.

- (A) 16
- (B)14
- (C) 18
- (D) 12

Answer-A

68-Fill in the blank wit hcorrect future tense of verb.

"We _____ to the zoo after Breakfast "

- (A) are going
- (B) went
- (C) will go
- (D) had gone

Answer-C

69- The ability to do is _____.

- (A) Job
- (B) Experience
- (C) Knowledge
- (D) Skill

Answer-A

70- Which one of these phrases is not related to a telephone call?

- (A) Call back
- (B) Make up
- (C) Pick up
- (D) Hold on

Answer-B

71- It is best to ask _____ questions when asking questions.

- (A) Sensitive
- (B) Rude
- (C) Personal
- (D) Open and close ended

Answer-D

72- Which one is a web browser?

- (A) Outlook express
- (B) Internet Explorer
- (C) Hot mail
- (D) Face book

Answer-B

73- As compared to small scale business, large scale business require _____.

- (A) small machines and tools
- (B) less no. of capital
- (C) less no. of persons
- (D) more no. of person

Answer-D

74- Fill in the blank with proper interrogative adjective. _____ are you going?

- (A) Who
- (B) Which

(C) Where

(D) What

Answer-C

75- Choose the correct context of the given expression in group discussion. "Excuse me, I would _____."

(A) Emphasizing a Point

(B) Summarising

(C) Agreeing

(D) Interrupting

Answer-D

76- What is the expansion of "FYI" SMS?

(A) For Your Innocence

(B) For Your Identification

(C) For Your Internet

(D) For Your Information

Answer-D

77- Which one is considered to be a poor communication?

(A) Message is ambiguous

(B) Sender is positive towards receiver

(C) Receiver is open to listen

(D) Message is clear and direct

Answer-A

78- What is a shortcut key for "select all" command?

(A) Ctrl + V

(B) Ctrl + A

(C) Ctrl + C

(D) Ctrl + X

Answer-B

79- Which function key allows you to rename a file?

(A) F4

(B) F2

(C) F1

(D) F3

Answer-B

80- Having a clear idea of our personality including strengths, weaknesses, thoughts, beliefs, motivation, values etc is called _____.

(A) Belief

(B) Myth

(C) Self Awareness

(D) Threat

Answer-C

81- A person with a growth mindset is always willing to _____.

(A) keep quiet

(B) become rich

(C) relax

(D) grow, change, learn

Answer-D

82- Where all deleted files will be stored?

(A) Personal folder

(B) Official folder

(C) CD

(D) Recycle bin

Answer-D

83- Which one of the following is a good office etiquette?

(A) One should dress formally

(B) One should litter one's work place

(C) One should have fancy mobile ring tone

(D) One should not be punctual to work

Answer-A

84- Gesture "Brusk and erect walking" shows _____ -

(A) insecurity

(B) confidence

(C) defensiveness

(D) boredom

Answer-B

85- Which one is an exclamatory sentence?

(A) What a beautiful house it is!

(B) Your house is beautiful.

(C) Is it a beautiful house?

(D) It is a beautiful house.

Answer-A

86- Which one is the latest and effective means of modern communication?

(A) Postal mail

(B) Electronic mail

(C) Fax

(D) Message through TV

Answer-B

87- What is the default name of newly created folder in windows?

- (A) New folder
- (B) New
- (C) Blank
- (D) Folder

Answer-A

88- NAPS Stands for _____.

- (A) National Appointment Promoting Scheme
- (B) National Advertising Promotion Scheme
- (C) Non Apprenticeship Promotion Scheme
- (D) National Apprenticeship Promotion Scheme

Answer-D

89- Which one is a 'Don't' of information security?

- (A) Disclose password to anyone
- (B) Use hard to guess passwords
- (C) Encrypt laptop hard drive and mobile devices
- (D) Take backup data of your PC periodically

Answer-A

90- 1st industrial revolution started in _____.

- (A) 21st century
- (B) 20th century
- (C) 19th century
- (D) 18th century

Answer-D

91- Which of the following is not true?

- (A) Ask each customer the same set of questions
- (B) Establish trust by focusing on customer needs and not on your product.
- (C) Only ask relevant questions
- (D) Ask the questions with a genuine focus on understanding your customer in order to meet their needs.

Answer-A

92- What is a shortcut key for "Copy" command? "

- (A) Ctrl + A
- (B) Ctrl + X
- (C) Ctrl + C
- (D) Ctrl + V

Answer-C

93- Fill in the blank with comparative adjective. "Your pencil is _____ than mine"

- (A) sharper
- (B) blunt
- (C) thick
- (D) sharp

Answer-A

94- This intention to move out of one's place to another for better jobs is called _____.

- (A) Mitigation
- (B) Litigation
- (C) Irrigation
- (D) Migration

Answer-D

95- A program that infects other program by modifying them is called _____.

- (A) note pad
- (B) antivirus
- (C) virus
- (D) web page

Answer-C

96- What approach is used to gain access to foreign markets and quickly promote an organization's interest?

- (A) Technology transfer
- (B) Joint venture
- (C) Licensing
- (D) Collaboration

Answer-B

97- Which one is a "don't" in interview etiquette?

- (A) Proper eye contact
- (B) Be confident
- Lie about your abilities to get job
- (C) Dress appropriately

Answer-C

98- Which one is an input device?

- (A) Speaker
- (B) Printer
- (C) Monitor
- (D) Joystick

Answer-D

99- _____ contains one or more worksheets.

- (A) Workbook
- (B) Workfile
- (C) Document
- (D) Address bar

Answer-A

100- Which one is NOT an article?

- (A) the
- (B) in
- (C) an
- (D) a

Answer-B

101- Choose suitable 'wh' word for the given sentence.

" _____ animal do you like?"

- (A) Why
- (B) Which
- (C) Where
- (D) When

Answer-B

102- Which is a silent letter in the word "Answer"?

- (A) R
- (B) W
- (C) S
- (D) E

Answer-B

103- Women are soft-spoken and forgiving _____.

- (A) always true
- (B) always false
- (C) sometimes
- (D) gender stereotype

Answer-D

104- Based on the information that you get through probing, you will be in a better position to make _____.

- (A) effective problem solving
- (B) No Progress
- (C) Build friendship
- (D) Proper product suggestions

Answer-D

105- The word 'when' denotes _____.

- (A) place
- (B) person
- (C) time
- (D) thing

Answer-C

106- Which one is NOT an essential characteristic to achieve success?

- (A) Unethical work
- (B) Integrity
- (C) Confidence
- (D) Commitment

Answer-A

107- Which is not the online payment App?

- (A) PhonePe
- (B) Paytm
- (C) India Pay
- (D) Google Pay

Answer-C

108- An illegal activity committed on the internet is called _____.

- (A) cyber crime
- (B) social networking
- (C) virus
- (D) search engine

Answer-A

109- To grow yourself you must _____.

- (A) know your country
- (B) know your office
- (C) know yourself
- (D) know your institute

Answer-C

110- Choose the correct tense of the verb.

"I _____ music when I was child"

- (A) am learning
- (B) learn
- (C) had learnt
- (D) will learn

Answer-C

111- Which one is a correct channel through which marketers can reach customers?

- (A) Manufacturer → Retailer → Customer → Wholesaler
- (B) Manufacturer → Retailer → Wholesaler → Customer
- (C) Manufacturer → Customer → Retailer
- (D) Manufacturer → Wholesaler → Retailer → Customer

Answer-D

112- Gesture "biting nails" shows _____.

- (A) boredom
- (B) obsessiveness
- (C) insecurity
- (D) confidence

Answer-C

113- In which orientation, the text is printed length wise?

- (A) Margin
- (B) Landscape
- (C) Portrait
- (D) Width

Answer-C

114- Curriculum vitae is also known as _____.

- (A) leave application
- (B) resume
- (C) circular
- (D) job application form

Answer-B

115- After receiving interview call, what is the next step?

- (A) Prepare the resume
- (B) Send resume
- (C) Send application letter
- (D) Appear at interview

Answer-D

116- Which of the following should be avoided during probing?

- (A) Repeating
- (B) Summarizing
- (C) Listening carefully
- (D) Interrupting the customer

Answer-D

117- What is shortcut key for "Paste" command?

- (A) Ctrl + X
- (B) Ctrl + A
- (C) Ctrl + C
- (D) Ctrl + V

Answer-D

118- MSME stands for _____.

- (A) Macro, Small and Medium Enterprises
- (B) Micro, Small and Medium Enterprises
- (C) Micro, Scale and Medium Enterprises
- (D) Minor, Small and Medium Enterprises

Answer-B

119- Which of the following is not an Online payment application?

- (A) Instagram
- (B) BHIM UPI
- (C) Banking Applications
- (D) Google Pay

Answer-A

120- _____ is the brain of the computer. _____

- (A) Desktop
- (B) Window
- (C) Keyboard
- (D) Central Processing Unit (CPU)

Answer-D

121- Goals are categorized as _____.

- (A) inner and outer
- (B) intrinsic and extrinsic
- (C) good and bad
- (D) short-term and long-term

Answer-D

122- Which of the following is an example of personal weakness?

- (A) Active
- (B) Confidence
- (C) Being lazy
- (D) Hard working

Answer-C

123- The expansion of SIDO is _____.

- (A) Small Income Development Organization
- (B) Small Investment Development Organization

- (C) Small Industries Development Organization
- (D) Standard Industry Development Organization

Answer-C

124- Fill in the blank with proper reflexive pronoun. "She has hurt _____ I"

- (A) himself
- (B) herself
- (C) itself
- (D) myself

Answer-B

125- Which one is a good communication?

- (A) Message is ambiguous
- (B) Receiver doesn't listen to sender
- (C) Message is clear and direct
- (D) Sender attacks receiver

Answer-C

126- Which shortcut key is used to underline the main headings of your resume?

- (A) Ctrl + B
- (B) Ctrl + L
- (C) Ctrl + U
- (D) Ctrl + X

Answer-C

127- Choose the correct punctuation mark after the word "Rohan" in the given sentence. "Rohan David and Ram are playing hide and seek"

- (3A) Slash (/)
- (B) Period (.)
- (C) Comma (,)
- (D) Hyphen (-)

Answer-C

128- The expansion of LAN is _____.

- (A) Local Area Network
- (B) Logical Area Network
- (C) Legal Area Network
- (D) Local Area Name

Answer-A

129- Noise, physical discomfort of hotness or coldness comes under _____.

- (A) environment barrier
- (B) culture barrier
- (C) language barrier

(D) perception barrier

Answer-A

130- What does 'M' stand for in SMART goal?

(A) Manageable

(B) Measurable

(C) Meaningful

(D) Memorable

Answer-B

131- _____ is a brief statement about purpose and principles of the Constitution.

(A) Module

(B) Unit

(C) Syllabus

(D) The Preamble

Answer-D

132- When you send your resume through email, you are sending it in the form of

(A) drive

(B) marked text

(C) attachment

(D) cookie advertisement

Answer-C

133- Which one is a Do's in interview etiquette?

(A) Too excessive in gesture

(B) Be confident

(C) Lie about abilities to get job

(D) Dress too casually

Answer-B

134- Which of these is the full form of SWOT?

(A) Special Wellness Organization Theme

(B) Strong World Olympic Team

(C) Strength Weakness Opportunity Threat

(D) Speak Work Openly Together

Answer-C

135- 1 Byte = _____

(A) 2 bits

(B) 16 bits

(C) 8 bits

(D) 4 bits

Answer-C

136- Which one is in active voice?

- (A) The book was being read by her.
- (B) We were driven home by dad.
- (C) Ram has passed the exam.
- (D) The ball was caught by him.

Answer-C

137- Which investment is considered for deciding the status of manufacturing enterprises?

- (A) Working capital
- (B) Plant and machinery
- (C) Salary of employees
- (D) Building and land

Answer-B

138- Rahul enjoys _____ with his pet dog.

- (A) writing
- (B) playing
- (C) doing
- (D) washing

Answer-B

139- The 4Ps of a good sales pitch are: promise, picture, pitch and _____

- (A) Product
- (B) Public
- (C) Proof
- (D) Price

Answer-C

140- The expansion of ROM is _____

- (A) Read Only Memory
- (B) Random Only Memory
- (C) Rewrite Octet Machine
- (D) Read Octet Machine

Answer-A

141- PIN is _____

- (A) Personal Income Number
- (B) Personal Identification Number
- (C) Professional Income Number
- (D) Professional Identification Number

Answer-B

142- What is the meaning of an entry level job?

- (A) It is a starting or junior level job
- (B) Security guard

- (C) Junior interior designer
- (D) It helps to enter the office

Answer-A

143- Listening to Railway or Flight announcement, teacher's lecture comes under _____

- (A) appreciative listening
- (B) therapeutic listening
- (C) comprehensive listening
- (D) critical listening

Answer-C

144- Entrepreneurship is also termed as _____

- (A) employer
- (B) employment seeker
- (C) investor
- (D) self-employment

Answer-D

145- Which of these is a sign of good stress?

- (A) Makes you physically ill or causes pain.
- (B) It makes you doubt yourself.
It prevents you from pursuing your goals.
- (C) Does not lead to long-term tension, loss of sleep.

Answer-D

146- The word that expresses a sudden and strong feeling is called _____

- (A) conjunction
- (B) punctuation
- (C) apostrophe
- (D) interjection

Answer-D

147- Which one is NOT a part of Triple 'A' listening?

- (A) Anxiety
- (B) Adjustment
- (C) Attitude
- (D) Attention

Answer-A

148- Rise and fall of pitch of voice is called _____

- (A) pronunciation
- (B) consonant
- (C) intonation
- (D) vowel

Answer-C

149- Fill in the blank with present progressive tense of the verb. "The train _____ through the tunnel"

- (A) is passing
- (B) had passed
- (C) passed
- (D) was passing

Answer- A

150- Which of these statements is true?

- (A) Salary in metro cities is always higher than small towns
- (B) Some cities have more opportunities than others for certain job roles.
- (C) Only a few cities have job opportunities.
- (D) All jobs are available in all cities.

Answer- B

151- Which one is NOT a conjunction?

- (A) Or
- (B) But
- (C) And
- (D) On

Answer- D

152- The enterprises engaged in the production of goods is known as _____

- (A) Macro enterprises
- (B) Service enterprises
- (C) micro enterprises
- (D) manufacturing enterprise

Answer- D

153- What is a shortcut key for "cut" command?

- (A) Ctrl + A
- (B) Ctrl + V
- (C) Ctrl + C
- (D) Ctrl + X

Answer- D

154- In "SWOT analysis", "S" stands for _____.

- (A) Success
- (B) Service
- (C) Strength
- (D) Survey

Answer- C

155-What actions should be taken after getting to know customer suggestions/problems?

- (A) Ask, Categorize, Act, Follow up

(B) Ask, Act, Categorize

(C) Ask, Solve

(D) Ask, Follow up

Answer- A

156- _____ is major changes take place in manufacturing. _____

(A) Green revolution

(B) Food revolution

(C) Water revolution

(D) Industry revolution

Answer- D

157- The expansion of WAN is _____.

(A) Wide Area Name

(B) Web Aided Network

(C) Web Assigned Name

(D) Wide Area Network

Answer- D

158- Which one of the following options shows the synonyms for a word, we type in MS word?

(A) Style

(B) Hyperlink

(C) Thesaurus

(D) Spell check

Answer- C

159- Computer network that spans a regional, national or global area is called _____.

(A) CAN

(B) LAN

(C) MAN

(D) WAN

Answer-D

160- Which of the following does not constitute your identity?

(A) Likes

(B) Marks scored in an exam

(C) Opinions

(D) Values

Answer-B

161- The expansion of GDP is.....

(A) Giant Domestic Product

(B) Grand Demand Product

(C) Godown Demand Product

(D) Gross Domestic Product

Answer-D

162- An angry person's body language will be ?

(A) Friendly

(B) Calm

(C) Aggressive

(D) Relaxed and soothing

Answer-C

163- Which one is an output device of the computer?

(A) Keyboard

(B) MIC

(C) Printer

(D) Mouse

Answer-C

164- In face-to-face communication, "tone of voice" accounts for ____

(A) 7%

(B) 38%

(C) 55%

(D) 100%

Answer-B

165- ____ can help me learn English.

(A) dedication

(B) fear

(C) shyness

(D) anger

Answer-A

166- When you speak to a person, you need to ____

(A) Look at the person in a friendly manner

(B) Look at the floor

(C) Look away from the person

(D) Stare at the person

Answer-A

167- Which one of the following is a describing word?

(A) eat

(B) soup

(C) repair

(D) hot

Answer- D

168- In Excel, the intersection of a row and column is called a _____

- (A) worksheet
- (B) label
- (C) cell
- (D) square

Answer- C

169- People from all religions or no religions are treated equally means _____

- (A) religious
- (B) democratic
- (C) non secular
- (D) secular country

Answer- D

170- The study of right and wrong in human endeavors is called _____

- (A) ethics
- (B) motivation
- (C) goal
- (D) self awareness

Answer- A

171- RTI is _____

- (A) Right Tern Information
- (B) Read To Information
- (C) Right To Information
- (D) Ready To Information

Answer- C

172- How do successful people handle failure?

- (A) They blame others
- (B) They give up their ambitions
- (C) They learn from their mistakes
- (D) They get demotivated

Answer- C

173- Fill in the blank with correct word.

"They _____ good friends"

- (A) was
- (B) am
- (C) are
- (D) is

Answer- C

- 174-** Re-arrange the following set of words into meaningful sentence. "teacher / school / worked / she / a / as"
- (A) School worked as a she teacher
 - (B) She worked as a school teacher
 - (C) She teacher worked as a school
 - (D) Worked she as a school teacher

Answer- B

- 175-** 21st century workplace skills help you to get employed.....
- (A) only with higher qualification
 - (B) very difficult
 - (C) even job market keep changing
 - (D) only when market is growing

Answer- C

- 176-** In MS Excel, to insert a formula in cell, we must begin the entry with an operator _____
- (A) \$
 - (B) @
 - (C) =
 - (D) #

Answer- C

- 177-** Which among these are not good manners while travelling by public transport?
- (A) Be polite to fellow passengers and staff.
 - (B) Follow the instructions of the cabin manager.
 - (C) Push back our seat without checking with the person on the back seat
 - (D) Speak in a low voice.

Answer- C

- 178-** _____ are the qualities that are considered negative, and need to be worked on.
- (A) Opportunities
 - (B) Personal weaknesses
 - (C) Personal Strengths
 - (D) Threats

Answer-B

- 179-** How many days does it take to form a habit?
- (A) 7
 - (B) 21
 - (C) 10

(D) 14

Answer-B

180- Which factor helps to motivate people?

- (A) Lack of direction
- (B) Lack of confidence
- (C) Lack of nervousness
- (D) Lack of focus

Answer-C

181- The process used by a business to verify the identity of their client is.....

- (A) KYC
- (B) TFP
- (C) ATM
- (D) GDP

Answer-A

182- Listening to songs only to derive pleasure comes under _____

- (A) appreciative listening
- (B) critical listening
- (C) comprehensive listening
- (D) therapeutic listening

Answer -A

183-What is the meaning of career journey?

- (A) It includes multiple jobs
- (B) It is usually short term
- (C) It has a clear starting point and ending point
- (D) It is well defined and has a fixed title and salary

Answer-A

184- Which one is the disadvantage of social networking sites?

- (A) Access to information
- (B) Make addictive
- (C) Online marketing for business
- (D) Instant communication

Answer-B

185- Which of these expenses are incurred when we move to a new city?

- (A) Buying new clothes
- (B) Rent of an accommodation
- (C) Buying books
- (D) Buying shoes

Answer-B

186- When someone says 'Thank you' we should reply and say _____.

- (A) Bye-bye

- (B) Thank you.
- (C) You're welcome.
- (D) How are you?

Answer-C

187- Which one is in passive voice?

- (A) Mohan is painting a house.
- (B) She was reading a book.
- (C) Her birthday was celebrated by us.
- (D) I have seen that movie.

Answer-C

188- Which one is NOT a benefit of oral communication?

- (A) It is direct
- (B) It is quick
- (C) It is for record
- (D) Feedback is immediate

Answer-C

189- Which one is the main green house gas responsible for global warming?

- (A) Carbon dioxide
- (B) Oxygen
- (C) Nitrogen
- (D) Hydrogen

Answer-A

190- Total number of popular quality tools are....

- (A) 8
- (B) 7
- (C) 6
- (D) 9

Answer-B

191- Fill in the correct question word. "_____ is the speaker at the function?"

- (A) Why
- (B) What
- (C) Who
- (D) When

Answer-C

192- In an economic growth, role of entrepreneur is to _____.

- (A) generate unemployment
- (B) unbalance the regional development
- (C) stagnate standard of living
- (D) improve per capita income

Answer-D

193- Which one is NOT a vowel?

- (A) i
- (B) a
- (C) f
- (D) e

Answer-C

194- Choose the correct response of the given question. "When did the accident happen"?

- (A) in the hotel
- (B) during travelling
- (C) At 10:30 last night
- (D) On the table

Answer-C

195- Hard Skill _____

- (A) 60 WPM typing speed
- (B) time management
- (C) quick learner
- (D) spoken English

Answer-A

196- Which one is a "Don't" of discussion etiquette?

- (A) Use moderate tone
- (B) Listen to others
- (C) Be open minded
- (D) Argue unnecessary

Answer-D

197- Fill in the blank with suitable adjective for the given sentence.

"The little girl's..... eyes revealed her mischief"

- (A) twinkling
- (B) short sighted
- (C) chubby
- (D) weak

Answer-A

198- The expansion of RAM is _____

- (A) Read Access Memory
- (B) Random Access Machine
- (C) Read Octet Machine
- (D) Random Access Memory

Answer-D

199- What is the cell address of 4th row and 4th column?

- (A) D4
- (B) 4D
- (C) E4
- (D) B4

Answer-A

200- Which shortcut is used to save a word file in MS-Word?

- (A) Ctrl + N
- (B) Alt + S
- (C) Ctrl + S
- (D) Ctrl + B

Answer-C

201- Which one is a file management tool that comes with windows?

- (A) Window explorer
- (B) Desktop
- (C) Notepad
- (D) Control panel

Answer-A

202- For "SMART" Goal, S stands for ____

- (A) Specific
- (B) Strength
- (C) Scientific
- (D) Social

Answer-A

203- For short distance, which network type should be used?

- (A) LAN
- (B) CAN
- (C) MAN
- (D) WAN

Answer-A

204- Which of the following statements is true?

- (A) Only experts can solve any problem
- (B) We need to pursue a course to even solve a simple problem
- (C) It is not important to solve any problem
- (D) The more problems you solve, the better you will get at problem solving

Answer-D

205- Which one is NOT the outcome of positive attitude?

- (A) Creativity
- (B) Enthusiasm
- (C) Problem solving attitude
- (D) Boredom

Answer-D

206- Today's weather is going to be _____.

- (A) Hopeful
- (B) Warm
- (C) Blue
- (D) Urgent

Answer-B

207- What should come next after "selecting the solution" in problem solving process?

- (A) Root cause analysis
- (B) Look for alternate
- (C) Identify the problem
- (D) Implement the solution

Answer-D

208- A resume should be _____.

- (A) having long and detailed information
- (B) having acronyms and abbreviation
- (C) short and precise
- (D) fancy and colourful

Answer-C

209- In an email, where will you add the recipient email address whom you want to send the copy of an email?

- (A) To
- (B) CC
- (C) Subject
- (D) Bcc

Answer-B

210- Probing questions helps you _____

- (A) Building trust so you can receive honest feedback.
- (B) To identify customer's specific needs
- (C) To learn customer's pain point
- (D) To introduce yourself well to the customer

Answer-B