

15- What is the standard height of a height gauge at level crossing.

- A) 5.50 m
- B) 4.67 m
- C) 5.30 m
- D) 6.00 m

16- What is the standard height of contact wire at level crossing.

- A) 6.00 m
- B) 4.67 m
- C) 5.30 m
- D) 5.50 m

17- Why Isolators Are Used In OHE.

- A) to increase length
- B) to prevent from falling
- C) for sectioning
- D) for weight gain

18- What precautions should be taken while opening or closing the Isolator.

- A) should be operated slowly
- B) should be operated quickly
- C) should be operated in any way
- D) none of the above

19- Why it is necessary to prune tree branches near OHE.

- A) to reduce the shadow of the track
- B) to increase the shadow of the track
- C) To save tripping of CB
- D) None of the above

20- What is the use of discharge rod

- A) to earth the dead OHE
- B) to charge the dead OHE
- C) to increase the power of OHE
- D) to increase the voltage of OHE

21- What is the maximum permissible distance between the two adjacent discharge rods

- A) 1.50 km
- B) 2.5 km
- C) 1.0 km
- D) 3.0 km

22- Why is it necessary to remove kites, threads or foil etc. from the panto or OHE or Loco.

- A) To save loco failure
- B) To save OHE failure
- C) To save both failures
- D) None of the above

23- Why it is necessary to wear a helmet during OHE work.

- A) to save accident
- B) to avoid head injury
- C) only to show
- D) none of the above

24- How much tension is kept in OHE.

- A) 1000 KG
- B) 1500 KG
- C) 2000 KG
- D) 2500 KG

25- What is the dia of in-span dropper

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

26- What is the full name of GSS.

- A) Gantry Sub Station
- B) Group Sub Station
- C) Grid Sub Station
- D) Ground Sub Station

27- What is the full name of TSS.

- A) Traction Sub Station
- B) Track Side Station
- C) Traction Side Station
- D) Transmission Sub Station

28- What is the full name of L.A.

- A) Line Arrester
- B) Lightening Arrester
- C) Link Arrester
- D) None of the above

29- What is the full name of SSP.

- A) Station Side Post
- B) Sound Switching Post
- C) Sub sectioning and paralleling post
- D) Sectioning and switching post

30- What is the full name of FP?

- A) Fuel Post
- B) Feeding Post
- C) Foreign Post
- D) All of the above

31- What is the full name of BDV.

- A) Break down voltage
- B) Bus drop voltage
- C) Both of the above
- D) None of the above

32- Where the interrupter is not installed.

- A) GSS
- B) TSS
- C) SP
- D) SSP

33- Where BM is not installed?

- A) In TSS
- B) - In SP
- C) SSP
- D) None of these

34- What is right thinking about CB among these.

- A) Trips on the fault.
- B) There is no trip to the fault.
- C) Fault has no effect
- D) None of the above.

35- What is right thinking about burried Rail.

- A) It measures voltage.
- B) It measures the current.
- C) It is burried one meter deep from the ground.
- D) It occurs on the surface of the ground.

36- What material is a Burried rail made of?

- A) Aluminum
- B) Copper
- C) Rail grinding
- D) Ceramic

37- Why battery is installed in TSS.

- A) For operation of equipment.
- B) Indication of equipment.
- C) for protection.
- D) For the above three

38- Why is the battery mounted on the switching posts.

- A) For equipment operation.
- B) Indication of equipment.
- C) For both of the above.
- D) for protection.

39- Why is AT installed

- A) To get LT supply.
- B) To get HT supply.
- C) For both of the above.
- D) None of the above

40- What is the unit of frequency ?

- A) Hz
- B) Cycles per second
- C) Both of the above
- D) None of the above

41- SPG is measured by

- A) Multimeter
- B) Megger
- C) Hydrometer
- D) None of the above.

42- What should be the SPG of a full charge battery.

- A) 1170 to 1190
- B) 1190 to 1210
- C) 1220 to 1240
- D) None of the above.

43- What should be the voltage of a full charged 2 volt battery?

- A) 1.70 to 1.90 volts
- B) 1.80 to 2.00 volts
- C) 2.20 to 2.30 volts
- D) None of the above.

44- Why MCB is installed in an electrical circuit.

- A) To avoid short circuit.
- B) To prevent overload.
- C) To avoid both of the above.
- D) none of the above.

45- What is measured by Megger.

- A) Circuit resistance
- B) Insulation resistance
- C) Length of wire
- D) None of the above.

46- What is measured by Earth Tester?

- A) Circuit resistance
- B) Insulation resistance
- C) Length of wire
- D) Earth resistance

47- What is measured by multimeter.

- A) voltage
- B) current
- C) Resistance
- D) All of the above.

48- What is measured by SWG.

- A) Resistance of wire
- B) Thickness of wire
- C) Length of wire
- D) None of the above.

49- Which water is added to the battery.

- A) RO Water
- B) Distilled Water
- C) Mineral Water
- D) None of the above

50- How many capacity of battery set are put in TSS.

- A) 40 AH
- B) 150 AH
- C) 200 AH
- D) 250 AH

51- What is the unit of power factor?

- A) Hz
- B) Cycles per second
- C) Both of the above
- D) None of the above

52- How much capacity of battery is used in switching posts.

- A) 40 AH
- B) 110 AH
- C) 200 AH
- D) 150 AH

53- What is the operating voltage for PSI devices.

- A) 110 volts AC
- B) 110 volts DC
- C) 230 volts AC
- D) 230 volts DC

54- What is the power in a DC circuit.

- A) Sum of voltage and current
- B) Product of voltage and current
- C) Difference between voltage and current
- D) None of the above

55- What is the unit of power.

- A) voltage
- B) current
- C) watts
- D) ohm

56- What is the full name of IRTU.

- A) Important remote traction unit
- B) Intelligent remote terminal unit
- C) Important radio transfer unit
- D) Imported remote tracking unit

57- What is the full name of CPU.

- A) Central PSI Unit
- B) Central Pulling Unit
- C) Central Processing Unit
- D) Central Packing Unit

58- What is the full form of DI.

- A) Divisional Information
- B) Digital Input
- C) Direct Information
- D) Digital Information

59- What is the full form of DO.

- A) digital output
- B) digital output
- C) Direct output
- D) Digital Orange

60-- What is the full name of AI.

- A) Against information
- B) Analog input
- C) Analog information
- D) All information

61- What is a modem?

- A) Converts analog signal into digital signal.
- B) converts digital signal into analog signal.
- C) does both of the above.
- D) Both of the above do not work.

62- What is the full form of UPS.

- A) Universal Power Switch
- B) Un-interrupted Power Supply
- C) Un-interrupted power system
- D) Universal power system

63- What is the full name of TPC.

- A) TRD Power Control
- B) TRD Post Control
- C) Traction Power Controller
- D) Traction Post Controller

64- What is the full name of SCADA.

- A) Super control and daily activated
- B) Super control and data activation
- C) Supervisory Control and Data Acquisition
- D) None of these.

65- How many status of a CB or BM can be on SCADA.

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

66- What do you understand by Tele-signal.

- A) To know the status of in front equipments
- B) To know the status of distant equipments
- C) Knowledge of electricity.
- D) None of the above

67- What do you understand by tele-command.

- A) Controlling of in-front devices.
- B) Controlling of distant devices.
- C) Commanding of remote devices.
- D) None of the above

68- In which unitcapacity of batteries are measured.

- A) Ampere-hour
- B) Watt-hour
- C) Both of the above
- D) Ampere

69- What is Modulation.

- A) Increases power
- B) Rectifies the power.
- C) performs the function of carrier
- D) converts DC to AC.

70- What are the primary colors?

- (A) Red, Blue and Yellow
- (B) Red, Blue and Green
- (C) Red, Yellow and Green
- (D) Blue, Yellow and Green

71- Which color will be made by mixing red and green colors in equal quantity?

- A) White
- B) Yellow
- C) Orange
- D) Green

72- What is added to paint to dilute it.

- A) Spirit
- B) Turpentine Oil
- C) Thinner
- D) Kerosene oil

73- Which light is formed by mixing the light of the three primary colors.

- A) Yellow light
- B) Sky light
- C) White light
- D) Orange light

74- Which of these is a warm color?

- A) Sky
- B) White
- C) Red
- D) None of these

75- Which of these is a cold color.

- A) Sky
- B) Yellow
- C) Red
- D) Black

76- The color that is lacking in making a color white is called.

- A) Primary color
- B) Secondary color
- C) complementary color
- D) none of these.

77- What is the difference between writing brush and painting brush respectively.

- A) Thin, Thick
- B) Thick, Thin
- C) Both alike
- D) None of these

78- What is the primer for iron work?

- A) Green Oxide
- B) Red Oxide
- C) Blue Oxide
- D) Black Oxide

79- When is the primer applied.

- A) after painting
- B) before painting
- C) Add to Paint
- D) None of these

80- What is the cross section of traction bond for OHE structure.

- A) $40 \times 8 \text{ mm}^2$
- B) $40 \times 6 \text{ mm}^2$
- C) $40 \times 10 \text{ mm}^2$
- D) All of the above

81- Structure bonds are provided .

- A) Between of track from mast
- B) Between of track from portal
- C) Between of track from metallic breezes
- D) All of the above

82- Inter track cross bonds are provided at approx.

- A) 500 m
- B) 450 m
- C) 350 m
- D) 300m

83- Which of the following bonds are not provided by TRD department?

- A) Structure Bond
- B) Cross Bond
- C) Impedance Bond
- D) None of these

84- What is the cross section of traction bond at switching posts?

- A) $40 \times 8 \text{ mm}^2$
- B) $40 \times 6 \text{ mm}^2$
- C) $50 \times 6 \text{ mm}^2$
- D) All of the above

85- Where Lord Buddha attained enlightenment.

- A) Lumbni
- B) Sarnath
- C) Kushinagar
- D) Bodh Gaya

86- Where is the Hawa Mahal located?

- A) Jodhpur
- B) Udaipur
- C) Ajmer
- D) Jaipur

87- Which is the national bird of India.

- A) Peacock
- B) pigeon
- C) Parrot
- D) Quail

88- Which is the national sport of India.

- A) Cricket
- B) Hockey
- C) Football
- D) Kabaddi

89- Which metal was first used by human.

- A) copper
- B) iron
- C) Gold
- D) Silver

- 90- Where is the headquarter of the United Nations located?
A) Switzerland
B) New York
C) Germany
D) Britain
- 91- When is Hindi Day celebrated?
A) 14 September
B) 15 September
C) 17 September
D) 20 September
- 92- What is the name of Indian desert?
A) Thar
B) Sahara
C) Gobi
D) None of these
- 93- Ujjain is situated on the banks of which river.
A) Shipra River
B) Kavery River
C) Narmada River
D) Godavari River
- 94- How many shells are in the Olympic flag?
A) 3
B) 5
C) 7
D) 11
- 95- Who founded the city of Amritsar.
A) Guru Govind Singh
B) Guru Ram Das
C) Guru Teg Bahadur
D) Guru Arjun Dev
- 96- Which blood group is called Sarvadata
A) A
B) O
C) B
D) AB
- 97- Which vitamins are obtained from sunlight.
A) Vitamin C
B) Vitamin D
C) Vitamin B
D) Vitamin A
- 98- When is Teachers' Day celebrated?
A) 1 September
B) 5 September
C) 10 September
D) 14 November
- 99- Who gave the slogan "Jai Jawan Jai Kisan"?
A) Jawaharlal Nehru
B) Mahatma Gandhi
C) Lal Bahadur Shastri
D) Indira Gandhi
- 100- Which is the largest dam in India.
A) Tihri Dam
B) Bhakra Dam
C) Rihand Dam
D) Matha Tila Dam
- 101- Who is called India Nightingale.
A) Lata Mangeshkar
B) Sarojini Naidu
C) Amrita Pritam
D) Sushma Swaraj
- 102- Who built Grant Trunk Road?
A) Akbar
B) Babur
C) Sher Shah Suri
D) Shah Jahan
- 103- Which is the largest state of India in terms of area.
A) Maharashtra
B) Rajasthan
C) Madhya Pradesh
D) Uttar Pradesh
- 104- How many sticks are there in Ashoka Chakra?
A) 20
B) 22
C) 24
D) 26

105 – Which is related to White Revolution?

- A) Water
B) Milk
C) Mushroom
D) Cheese

106- Which is the nearest planet to Earth?

- A) Venus
B) Mercury
C) Mars
D) Jupiter

107- Where is Vivekananda Memorial?

- A) Kanyakumari
B) Chennai
C) Bangalore
D) Mahabalipuram

108- Who is the first Indian citizen to get Nobel Prize?

- A) Mahatma Gandhi
B) Jawaharlal Nehru
C) Rabindranath Tagore
D) Bankim Chandra Chatterjee

109- Which is currency of Japan -

- A) dollars
B) pounds
C) Yen
D) Dinar

110- Tools for Carpentry work.

- A) shovel
B) pickaxe
C) Basula
D) Kudari

111- Use of sand paper or emery paper.

- A) Drying the surface
B) Leveling the surface
C) Cleaning the surface
D) Roughing the surface

112- Why wood is polished.

- A) to look good
B) to make it durable
C) Both of the above
D) None of the above

113- Why putty is applied to wood.

- A) to look good
B) to make it durable
C) to end roughness
D) to increase brightness

114- Which tool is used to smooth the surface of wood?

- A) saws
B) plane
C) Batali
D) Chisel

Answer Sheet

1- B, 2-C, 3- C, 4- B, 5-D, 6-C, 7-B, 8-B, 9-B, 10-C, 11-B, 12-D, 13- C, 14-B, 15-B, 16-D, 17-C, 18-B, 19-C, 20-A, 21-C, 22-C, 23-B, 24-C, 25-C, 26-C, 27-A, 28-B, 29-C, 30-B, 31-A, 32-A, 33-A, 34-A, 35-C, 36-C, 37-D, 38- C, 39-A, 40-C, 41-C, 42-C, 43-C, 44-C, 45-B, 46-D, 47-D, 48-B, 49-B, 50-C, 51-D, 52-A, 53-B, 54-B, 55-C, 56-B, 57-C, 58-B, 59-B, 60-B, 61-C, 62-B, 63-C, 64-C, 65-C, 66-B, 67-C, 68-C, 69-C, 70-B, 71-A, 72-B, 73-C, 74-C, 75-A, 76 -C, 77-A, 78-B, 79-B, 80-B, 81-D, 82-C, 83-C, 84-C, 85-D, 86-D, 87-A, 88-B, 89-A, 90-B, 91-A, 92-A, 93-A, 94-B, 95-B, 96-B, 97-B, 98-B, 99-C, 100-A, 101 -B, 102-C, 103-B, 104-C, 105-B, 106-A, 107-A, 108-C, 109-C, 110-C, 111-C, 112-C, 113-C, 114-B