

68

| Q.no | Questions |
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| 1 | In house wiring the red wire indicates the a) Phase (b) Neutral (c) Earth wire (d) Dead wire. |
| 2 | Heater element is made up of a) Tin (b) Nichrome (c) Silver (d) Any above |
| 3 | Insulating resistance is measured by using a) Multimeter (b) Insulation Megger (c) Voltmeter (d) Hydrometer |
| 4 | Device used for auto off an electric iron is (a) Thermostat switch (b) Overload relay(c) Time delay switch (d) Any of the above |
| 5 | For changing direction of loco movement, following is used A) CTF B) Reverser C) Shunting contactor D) Pantograph-B |
| 6 | In WAG-7 loco is used for A)Frieght B) Goods C) Passanger D) Both |
| 7 | Which varnish is used during VPI of TM Hitachi armature? (A)H62C (B) H-71 (C) DC-996 (D) RE-118 |
| 8 | How many nos of manufacturing of locomotovies in PLW at 2022-23 (A)240 (B) 295 (C) 253 (D) 210 |
| 9 | Minor penalties can be imposed to withhold A. with hoding of the promotion B. with hoding of the incrimint C. Censure D. all the above |
| 10 | In order to draw more current from the electric source (a) Resistors are connected in parallel (b) Resistors are connected in series (c) Resistors are connected in series and parallel (d) None of the above. |
| 11 | The instrument to measure the light is called (a) Tong tester (b) Lux meter (c) Micro meter (d) None of the these |
| 12 | What is the voltage of OHE feeding power to WAG-7 loco A) 25 KV AC (B). 1500 V DC (C.) 11 KV AC (D.) 440 V AC -A |
| 13 | Multimeter is used to measure A. voltage only B. current only C. resistance only D. all of the above |
| 14 | Which of the following materials has the least resistivity? A. Zinc B. Lead C. Mercury D. Silver |
| 15 | Which one of the following is not a safety item (A) Airbags (B) Hand brake (C) Head Light (D) Corridor Light |


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- 16 Which of the following materials is a conductor of electricity?
(a) Rubber
(b) Copper
(c) Ebonite
(d) Bakelite
- 17 Which is the best conductor of electricity?
A. Iron
B. Silver
C. Copper
D. Carbon
- 18 The resistance of a conductor varies inversely as
A. Length
B. Area of cross-section
C. Temperature
D. Resistivity
- 19 Three 6 ohms resistors are connected to form a triangle. What is the resistance between any two corners?
A. $3/2$ ohm
B. 6 ohm
C. 4 ohm
D. $8/3$ ohm
- 20 Water type fire extinguisher is used for?
A) Class A Fire
B) Class B Fire
C) Class C Fire
D) Class D Fire
- 21 What is called a natural magnet?
(a) Steel
(b) Load-stone
(c) Magnetism
(d) Soft iron
- 22 Type of three phase locomotive available on Indian Railways
A) WAP1/WAP5/WAP4
B) WAG7/WAG9/WAP7
C) WAP5/WAP7/WAG9
D) None of these
- 23 In a three-phase induction motor, the number of poles in the rotor winding is always
A. Equal to the number of poles in the stator
B. Zero
C. More than the number of poles in the stator
D. Less than the number of poles in the stator
- 24 No load test of 3-phase induction motor used to determine
a. Variable loss
b. Constant loss
c. Eddy current loss only
d. Hysteresis loss only
- 25 A 3 phase induction motor is essentially a
A. Constant speed motor
B. Variable speed motor
C. Very costly
D. easily maintainable
- 26 The rotor winding of a 3-phase wound rotor induction motor is generally connected.
A. Delta
B. Star
C. Partially Delta & Partially Star
D. None of the above
- 27 The maximum EMF is induced in the rotor of a 3-phase induction motor when it
A. No-Load
B. Full-load
C. Half-load
D. is blocked
- 28 At no-load, the Iron loss of a 3-phase induction motor is

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| | A. Practically Zero B. Large C. Small D. None of the above |
| 29 | Heating elements are made? |
| | (A) copper (B) nichrome (C) Eureka (D) Nikil |
| 30 | What is called ability to work? |
| | (A) power (B) energy (C) efficiency (D) Horse power |
| 31 | An induction motor is |
| | a. self-starting with zero torque b. self starting with high torque c. self starting with low torque d. non self starting |
| 32 | Size of a high speed motor as compared to low speed motor for the same H.P. will be |
| | a. bigger b. smaller c. same d. any of the above |
| 33 | Type of motor used in 3 phase locomotives |
| | A) DC series motor B) Three phase IM C) Single phase IM D) None of these |
| 34 | Advantage of three phase locos. |
| | A) Regenerative basis B) UPF C) Both a & b D) None of the above. |
| 35 | Higher horse power locomotive available with type of locomotive on Indian Railways. |
| | A) WAG12 B B) WAP9 C) Both D) WAP4 |
| 36 | Purpose of rectifier a) To convert AC to DC b) To convert DC to AC c) To smooth AC Current d) To smooth DC Current |
| 37 | Function of Transformer is based on a) Magnetism b) Electro static potential c) Electromagnetic Inductions d) None of the above |
| 38 | Velocity is..... A) Distance/Time B) Displacement/Time C) Both a & b D) None of above |
| 39 | Unit of magnetic Flux is a) Weber b) Weber/m ² c) Tesla d) None of these |
| 40 | Kwh is unit of A) Power B) Energy C) Voltage D) current |
| 41 | Which fraction is closest to 50%? a. 13/6 b. 7/15 c. 1/20 d. 100/75 |

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If the diameter of cylinder is 8cm and its height is 16cm then the volume of cylinder is

- a. 804.352cm^3
- b. 1000cm^3
- c. 900cm^3
- d. 850cm^3

43

If the radius of a sphere is doubled, then what is the ratio of old to the new surface area?

- (a) 1 : 2
- (b) 2 : 1
- (c) 1 : 4
- (d) 4 : 1

44

A student multiplied a number by $\frac{3}{5}$ instead of $\frac{5}{3}$ What is the percentage error in the calculation?

- A) 34%
- B) 44%
- C) 54%
- D) 64%

45

The average weight of 8 person's increases by 2.5 kg when a new person comes in place of one of them weighing 65 kg. What might be the weight of the new person?

- A) 76 kg
- B) 76.5 kg
- C) 85 kg
- D) Data inadequate

46

Which of the following ampere-second could be the unit?

- A. Reluctance
- B. Charge
- C. Power
- D. Energy

47

The S.I. unit of power is

- A. Henry
- B. Coulomb
- C. Watt
- D. Watt-hour

48

One newton metre is same as

- A. One watt
- B. 1 joule
- C. 5 joules
- D. 1 joule/sec

49

The frame of an induction motor is usually made of

- a. Silicon steel
- b. Cast iron
- c. Aluminum
- d. Bronze

50

The shaft of an induction motor is made of

- A. Stainless steel
- B. Carbon steel
- C. Cast iron
- D. Aluminium

51

Slip ring of an induction motor is usually made up of

- A. Aluminium
- B. Copper
- C. Phosphorus Bronze
- D. Carbon

52

A 3-phase 440 V, 50 Hz induction motor has 4% slip. The frequency of rotor current will be

- A. 50 Hz
- B. 25 Hz
- C. 5 Hz
- D. 2 Hz

53

The efficiency of an induction motor is about

- A. 100%
- B. 80-90%
- C. 50-60%
- D. Less than 50%

54

A 50 Hz, 3-phase induction motor has a full load speed of 1440 r.p.m. The number of poles in the motor is

- A. 2 pole
- B. 4 pole
- C. 6 pole
- D. 8 pole

55

The good power factor of an induction motor can be achieved if the average flux density in the air gap is

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- A. Infinity
- B. Large
- C. Absent
- D. Small

56 What is action in the pole like a magnet?

- (A) Attraction
- (B) repulsion
- (C) Strength
- (D) nothing

57 OHSMS Stands for

- (A) Office Health Safety Management System
- (B) Occupational Health & Safety Mechanical System
- (C) Occupational Health & Safety Management System
- (D) None of the above

58 PLW has IMS (Integrated Management System) which covers?

- (A) ISO 9001, ISO 50001, ISO 45001
- (B) ISO 45001, ISO50001, ISO 14001
- (C) ISO 9001, ISO 14001, ISO 50001
- (D) ISO 45001, ISO 9001, ISO 14001

59 ISO Stands for

- (A) Indian Standards Organization
- (B) Indian Standardization Organization
- (C) International Standards Organization
- (D) International Organization for Standardization

60 MTOE in ISO: 50001 Stands for

- (A) MetricTon of Energy
- (B) MetricTon of Oil Energy
- (C) Metric Ton of Oil Equivalent
- (D) None of the above

61 Standard ISO 3834-2 : 2005 refers to

- (A) Quality requirements for fusion welding
- (B) Quality requirements of Machining Processes
- (C) Limits of Industrial effluents
- (D) Reliability of Laboratory Testing

62 What is the abbreviation form of PATB

- a. Passenger and Terminal bracket b. Passenger alarm Terminal Board
- C. Passenger aluminum terminal Board d. Permanent alarm terminal Board

63 If there are more thannumber of employees, then the employer has to provide a canteen

- (A) 250
- (B) 510
- (C) 500
- (D) 100

64 A 3-phase 440 V, 50 Hz induction motor has 4% slip. The frequency of rotor current will be:

- (A) 50 Hz
- B) 25 Hz
- C) 5 Hz
- D) 2 Hz

65 The low starting torque of a squirrel-cage induction motor is overcome in locomotive

- (A) using high frequency power supply to the traction motor
- (B) using high voltage power supply to the traction motor
- (C) using low frequency power supply to the traction motor
- (D) using high current power supply to the traction motor

66 The good power factor of an induction motor can be achieved if the average flux density in the air gap is

- (A) Infinity
- (B) Large
- (C) Absent
- (D) Small

67 At no-load, the Iron loss of a 3-phase induction motor is

- (A) Practically Zero
- (B) Large
- (C) Small
- (D) None of the above

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If N_s and N are the speeds of rotating field and rotor respectively, then ratio rotor input/rotor output is equal to.

- (A) N_s/N
- (B) N/N_s
- (C) $N_s - N$
- (D) $N - N_s$

69

The filament of an electric bulb is made of

- A. Carbon
- B. Aluminium
- C. Tungsten
- D. Nickel

70

An item having regular turnover caused by constant demand will be known as

- A) Ordinary Stock Item B) Emergency stock item C) Regular item D) Non- stock item

71

Inactive items are those stock items, stock of which

- A) is unserviceable B) more than 3 months old
C) has not been issued to any user for past 12 months D) is more than the requirement of next 24 months

72

Which of the following materials has a negative temperature coefficient of resistance?

- A. Copper
- B. Aluminium
- C. Carbon
- D. Brass

73

The resistance of human body is around

- A. 50 Ohms
- B. 25 Ohms
- C. 250 Ohms
- D. 1000 Ohm's

74

Lubricant used for ball bearing is usually

- a. graphite b. grease
c. mineral oil d. molasses

75

What does thumb represent in the right hand rule?

- (A) magnetic force
- (B) North Pole
- (C) Southern Pole
- (D) current direction

76

What is the value of current in a short circuit?

- (A) zero
- (B) Infinite
- (C) Less
- (D) very few

Is the unit of heat?

- (A) Centigrade
- (B) calories
- (C) Calories / joule
- (D) watt-second

78

Which one of the following is not one of the three major effects of electric current?

- (A) Chemical
- (B) Magnetized
- (C) Rays
- (D) Thermal

79

What is the supply frequency value in India?

- (A) 50 Hz
- (B) 45 Hz
- (C) 55 Hz
- (D) 51 Hertz

80

What is the working rate called?

- (A) power
- (B) Energy
- (C) force
- (D) Torque

81

The synchronous speed of a 3- phase induction motor is given by the formula

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| 95 | In three phase 415 volts 50 Hz supply, the phase to neutral voltage is : (A) 220 volts (B) 230 volts (C) 440 volts (D) 240 volts |
| 96 | Multimeter is used to measure A. voltage only B. current only C. resistance only D. all of the above |
| 97 | WAG-7 loco is using type of bogies A. flexicoil co-co B. fabricated flexicoil co-co C. trimounted co-co D. any of the above |
| 98 | A.C. is converted into D.C. by : (A) Dynamo (B) Motor. (C) Transformer (D) Rectifier |
| 99 | Farad is a unit of : (A) Flux (B) Capacitance (C) Mutual inductance (D) Resistance of a conductor |
| 100 | An electric lamp is marked 100 watt. It is working on 200 Volts. : The current through the lamp is given as (A) 0.5 Amp. (B) 0.2 Amp. (C) 5.0 Amp. (D) 1.0 Amp. |
| 101 | An insulator should have : (A) High resistance (B) High conductance (C) High conductivity (D) All of the above |
| 102 | Instrument used for measuring the thickness of wire/strip is : (A) Lux meter (B) Tachometer (C) Micrometer (D) None above |
| 103 | Where was the 2002 World Summit on Sustainable Development held A. Dublin B. Doha C. Johannesburg D. Rio de Janeiro |
| 1 | What type of welding is done in armature riser coil? (A) MIG (B) Arc (C) TIG (D) Gas |
| 105 | What is the abbreviation form of COFMOW (a. Central for Modernization office works b. Central for Modernization of workshop C. Central for Modernization of other works d. None |
| 106 | What is the abbreviation form of CORE a. Central organization for rural Engineering b. Central Organization for roads Engineering C. Central Organization for railway Electrification d. None |
| 107 | What is the abbreviation form of CRIS (a. Central for Rural information system b. Central For railway information system C. Central for railway investment system d. None of the above |
| 108 | What is the abbreviation form of IRCON a. Indian Railway Construction company Limited b. Indian Roads Construction company Limited C. International Railway Construction company Limited d. None |

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| 109 | Conductivity is analogous to (A) retentivity (B) permeability (C) resistivity (D) inductance |
| 110 | What is the abbreviation form of IRIEEN a. Indian Railway Institute of Electrical Engineering b. Indian Railway Institute of Electronics Engineering c. Indian Railway Institute of Economics and Engineering d. None |
| 111 | What is the abbreviation form of RITES a. Railway Institute of Technical Engineering services ltd. b. Railway Institute of Technical Electrical services ltd. c. Railway Indian Technical Electrical services ltd. d. Rail India Technical and Economics services Ltd |
| 112 | What warning is written on packing of traction motor armature for customer? (A) Lift with crane (B) Arrow sign (C) Handle with care (D) All |
| 113 | The instrument used to measure RPM is a) Fyrite b) Pyrometer c) Ultrasonic flow meter d) Stroboscope |
| 114 | Phase advancers are used to improve the power factor of A. Induction motors B. Induction generators C. Synchronous motors D. Synchronous generators |
| 115 | One unit of electricity is equivalent to kcal heat units. A) 800 B) 860 C) 400 D) 680 |
| 116 | An energy policy does not include A. Target energy consumption reduction B. Time period for reduction C. Declaration of top management commitment D. Future production projection |
| 117 | What is the yoke of a DC machine made of? (a) Copper (b) Carbon (c) Cast iron (d) None of these |
| 118 | a wattmeter measure? (a) A.C. only (b) Power (c) DC only (d) A.C. Or D.C. Power |
| 119 | Which of the voltage is not available for Indian distribution system? a) 33 kV b) 11 kV c) 280 V d) 433 V |
| 120 | If single-phasing occurs on the running position in an induction motor, the motor will a. fail to carry load b. produce peculiar noise c. draw unbalanced and excessive currents d. not start |
| 121 | What is bare size of Stator coil conductor for TM 6FRA6068? (A) 7.1X5.35 (B) 9.0X4.0 (C) 7.5X4.80 (D) 4.0x2.0mm |
| 122 | How much is the voltage of mechanical megger? |

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- (A) 1000V
- (B) 750V
- (C) 1250V
- (D) 500V

123 Alternator is a device that converts

- a. Mechanical energy into electrical energy
- b. Electrical energy into mechanical energy
- c. Chemical energy into electrical energy
- d. None of the above

124 The purpose of providing anti rotating clamp near suspension arrangement of alternator is

- a. Not to rotate suspension pin of alternator
- b. Not to damage the nylon bushes of alternator/ suspension bracket
- c. Not to damage the suspension bracket/boss of alternator
- d. All of the above

125 What the temperature is of wash & rinse tank in Proceco plant?

- (A) 75°C
- (B) 90°C
- (C) 10°C
- (D) 80°C

126 For high core loss test the temperature limit is ambient +---- ?

- (A) 2°C
- (B) 1°C
- (C) 5°C
- (D) None of the above

127 What is the maximum vibration during final testing of TM?

- (A) .5 mm/sec
- (B) 1 mm/sec
- (C) .75mm/sec
- (D) 2mm/sec

128 The purpose of condenser is to

- a. To absorb heat from the coach and send cooled air in to the coach
- b. To draw refrigerant vapor from the cooling coil and to boost the temperature and pressure of refrigerant
- c. To reject the heat of refrigerant to the water of air and to convert refrigerant vapor in to liquid
- d. To control an pump the refrigerant to the cooling coil

129 Which traction motor is used in WAP7 loco?

- A) 4601
- (B) 4907
- (C) 6FRA6068
- (D) 1TB2622

130 HITACHI traction motor 15250 A is used in which loco?

- (A) Diesel Loco
- (B) Electric Loco
- (C) Shunting Loco
- (D) All THE ABOVE

131 Can the insulator fail due to?

- (a) Flash over
- (b) short circuit
- (c) Dust soil deposition
- (d) any of these

132 The purpose of expansion valve is

- a. To absorb heat from the coach and send cooled air in to the coach
- b. To draw refrigerant vapor from the cooling coil and to boost the temperature and pressure of refrigerant
- c. To reject the heat of refrigerant to the water of air and to convert refrigerant vapor in to liquid
- d. To control an pump the refrigerant to the cooling coil

133 What type of welding is done in armature riser coil?

- (A) MIG
- (B) Arc
- (C) TIG
- (D) Gas

134 Electroplating occurs at which of the following?

- (a) Only at the cathode

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| | (b) Only at the anode (c) At both anode and cathode (d) At the anode or cathode |
| 135 | Which is the semiconductor material? (A) Ureka (B) Abnite (C) Manene (D) Germanium |
| 136 | Long distance railways use which of the following ? (a) 200 V D.C. (b) 25 kV single phase A.C. (c) 25 kV two phase A.C. (d) 25 kV three phase A.C |
| 137 | The speed of a superfast train is (a) 60 kmph (b) 75 kmph (c) 100 kmph (d) more than 100 kmph |
| 138 | Main traction systems used in India are, those using (a) electric locomotives (b) diesel engine locomotives (c) steam engine locomotives (d) A&B |
| 139 | Which of the following is not a non conventional energy source : (a) Solar (b) Bio gas (c) Wind (d) Electricity |
| 140 | Solar energy is used for : (a) Lighting (b) Cooking (c) Battery charging (d) All above |
| 141 | Current is : (a) Rate of flow of charge (b) Gradual change in resistance (c) Linear change in capacitance (d) None of the above |
| 142 | Which of the following is a renewable source of energy? : a) coal b) oil c) Natural gas d) Solar |
| 143 | Power factor = : (a) True Power/Apparent power (b) Apparent power/True power (c) Average power/True power (d) Apparent power/Average power |
| 144 | First 6FRA 6068 Traction Motor Manufactured in-house in PLW (A) Nov,2018 (B) Dec,2018 (C) Oct,2018 (D) Sept,2018 |
| 145 | Formula for converting centigrade into foreign heat a. $\frac{5}{9} (F-32)$ b. $\frac{9}{5} (C +32)$ c. $\frac{9}{5} (F-32)$ d. $\frac{5}{9} (C +32)$ |
| 146 | Calculate the electrical energy in unit consumed by 500W lamp for 5 hours. (a) 0.5 unit (b) 1.0 unit (c) 1.5 unit (d) 2.5 unit |
| 147 | Which material is having negative temperature co-efficient property? (a) Mica (b) Eureka |

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| | (c) Copper (d) Manganin |
| 148 | The range of temperature for year round human comfort is a. 22.8° to 25°C b. 27° to 29°C c 15° to 17°C d. None. |
| 149 | What is the unit of resistivity? (a) ohm / cm (b) ohm / cm ² (c) ohm – metre (d) ohm / metre |
| 150 | R22, refrigerants comes under group of a. HCFC b.HFC c. Both (a) & (b) d. None |
| 151 | The unit for the capacity of air conditioning is in a. Ton of refrigeration b. Kilograms c. Pounds d. None |
| 152 | Motors used in RMPU coaches are a. Induction motors b. Synchronous motors c. Slip ring induction motors d. None |
| 153 | Meaning of principle of 5S term SEIRI is A) Maintenance of standards B) Discipline C) Cleanliness D) Tidiness |
| 154 | Hitting elements are made? (A) copper (B) nichrome (C) Eureka (D) Nikil |
| 155 | What is called ability to work? (A) power (B) energy (C) efficiency (D) Horse power |
| 156 | The danger for the human body, if the temperature increase above a. 40.5 C b. 37 C c. 36.5 C d. None |
| 157 | What is the maximum current out put of EBCR in LHB coach a. 220A b. 20A c. 63A d. 35A |
| 158 | What is action in the pole like a magnet? (A) Attraction (B) repulsion (C) Strength (D) nothing |
| 159 | What is the value of current in a short circuit? (A) zero (B) Infinite (C) Less (D) very few |
| 160 | Hidden lines are drawn as A) dashed narrow lines B) dashed wide lines C) long-dashed dotted wide line D) long-dashed double dotted wide line |
| 161 | Line composed of closely and evenly spaced short dashes in a drawing represents |

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- A) Visible edges
B) Hidden edges
C) Hatching
D) Pitch circle of gears
- 162 How many distribution transformer per coach in LHB AC coach
a. One b. Two c. Three d. None
- 163 The unit of electric resistance is?
A) Ohm
B) Watt
C) Volt
D) Ampere
- 164 Is the unit of heat?
(A) Centigrade
(B) calories
(C) Calories / joule
(D) watt-second
- 165 What is the supply frequency value in India?
(A) 50 Hz
(B) 45 Hz
(C) 55 Hz
(D) 51 Hertz
- 166 What is the working rate called?
(A) power
(B) Energy
(C) force
(D) Torque
- 167 In Indian Railways the case is to be dealt by tender committee, when it is a case of
A. Open tender B. Limited tender C. Bulletin tender D. High value tender
- 168 Which class of fire is in material such as wood paper cloth rubber and plastic?
(A) A
(B) B
(C) C
(D) None of these.
- 169 In a PL No. the subgroup to which the item belongs to is represented by
A) First two digits B) 3rd and 4th digits C) 5th and 6th digits D) 2nd and 3rd digits
- 1 The fire Brigade can be called on which telephone number.
(A) 100
(B) 101
(C) 102
(D) 103
- 171 How many times internal audit of ISO is conducted in one year.
(A) 1
(B) 2
(C) 3
(D) 4
- 172 Who is called the father of Indian Railways?
(A) M.Visweswariah
(B) Lord Ripon
(C) Lord Dalhousie
(D) None of these
- 173 What is the symbol of Indian Railways?
(A) Tiger
(B) Horse
(C) Elephant
(D) None of these
- 174 Which is the biggest railway station in India?
(A) Gorakhpur Railway Station
(B) Bilaspur Railway Station.
(C) Trivandrum Central, Kerala
(D) None of these
- 175 Writ the full form of DETC

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- (A) Diesel Electric Traction Car
(B) Diesel Electric Tower Car
(C) Diesel Electric Tarbo Car
(D) None of the above

176 In Indian Railways the case is to be dealt by tender committee when the purchase value is more than Rs.

- A. 10 lakhs B. 20 lakhs C. 25 lakhs D. above 50 lakhs

177 Who was the first railway minister of India?

- (A) George Fernandes
(B) N. Gopalaswami Ayyangar
(C) John Mathai
(D) None of these

178 What is the name of present (as 2023) railway minister of India?

- (A) Suresh Prabhu
(B) Piyush Goyal
(C) Ravi Shankar Prasad
(D) None of these

179 Who was the first female railway minister of India?

- (A) Mayawati
(B) Mamata Banerjee
(C) Sonia Gandhi
(D) None of these

180 What is the full form of RLWL

- (A) Remote Location Waiting List
(B) Right Location Waiting List
(C) Rail Location Waiting List
(D) None of These

181 The flow of current in solids is due to

- A. Electrons
B. Electrons and ions
C. Atoms
D. Nucleus

182 An instrument which detects electric current is known as

- A. Voltmeter
B. Rheostat
C. Wattmetre
D. Ammeter

183 Electric pressure is also called

- A. Resistance
B. Power
C. Voltage
D. Energy

184 Which of the following ampere-second could be the unit?

- A. Reluctance
B. Charge
C. Power
D. Energy

185 The S.I. unit of power is

- A. Henry
B. Coulomb
C. Watt
D. Watt-hour

186 One newton metre is same as

- A. One watt
B. 1 joule
C. 5 joules
D. 1 joule/sec

187 Thermit welding is a form of.

- (A) Resistance welding
(B) Gas Welding
(C) Fusion welding
(D) ARC welding.

188 Which of the following is not a resistance welding?

- (A) Spot welding
(B) Flash butt welding
(C) MIG welding
(D) Percussion welding

189 Which of the following types of fuel gas is commonly used in gas welding?

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- (A) Acetylene
- (B) Coal Gas
- (C) Bio Gas
- (D) Methane

190 Rails in the field are welded by using

- (A) Thermit welding
- (B) Gas welding
- (C) Electric arc welding
- (D) Spot welding

191 which of the following is not an overhead in costing of a PLW products;

- A) Township Overheads
- B) Transportation overhead.
- C) Factory Overhead.
- D) Stores Overhead

192 Ohm's law is not applicable to

- (A) Semi-conductors
- (B) D. C. Circuits
- (C) Small resistors
- (D) High Current circuit

193 Two resistors of same capacity are connected in parallel. Total resistance of circuit is

- (A) Double
- (B) $1/3$
- (C) $1/2$
- (D) $1/4$

194 According to Kirchhoff's voltage law the algebraic sum of all voltages around any closed loop of a network is always

- (A) Negative
- (B) Positive
- (C) Determined by battery emf's
- (D) Zero

195 The force between two charges is 120N. if the distance between the charges is double, the force will be-

- (A) 60N
- (B) 30N
- (C) 40N
- (D) 15N

196 Flemings' Left hand rule is used to find

- A) Direction of magnetic field due to current carrying conductors
- B) Direction of flux in a solenoid
- C) Direction of force on a current carrying conductor in a magnetic field
- D) Polarity of a magnetic pole.

197 Which of the following materials has the least resistivity?

- A. Zinc
- B. Lead
- C. Mercury
- D. Copper

198 Point out the wrong statement Magnetic leakage is undesirable in electric machines because it

- (A) Lowers their power efficiency
- (B) Increase the cost of manufacture
- (C) Leads to their increased weight
- (D) Produces fringing

199 The inductance of a coil will increase under all the following conditions except

- (A) When the length is increased without increasing the number of turns.
- (B) When the number of turns of the coil increases
- (C) When more area for each turn is provided
- (D) When permeability of the core increases

200 Class-'C' insulating materials have properties

- (A) High temperature stability and high insulation resistance
- (B) Low temperature stability and high insulation resistance
- (C) High rigidity and low weight
- (D) None of above

201 Superconducting metal in superconducting state has relative permeability of

- (A) Zero
- (B) One
- (C) More than one
- (D) Negative

202 What is abrivation form of EMD

- a. Earnest Money Demand b. Earnest Monitoring and Dispatch
- c. Earnest Money Deposit d. None of the above

203 Which city-is called the pink City Of India?

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- A. Udaipur
- B. Jaipur
- C. Jodhpur
- D. Sholapur

204 Dandi March was also Known as ----- Satyagraha. ?

- A. Pepper
- B. Indigo
- C. Cinnamon
- D. Salt

205 Who is the Author of the Book " The Discovery of India " ?

- A. Motilal Nehru
- B. Mahatma Gandhi
- C. Jawaharlal Nehru
- D. Rabindranath Tagore

206 The transformer cores operating at microwave frequency range, are usually made of

- (A) carbon
- (B) copper
- (C) silicon steel
- (D) ferrites.

207 The inductance of a coil will increase under all the following conditions except

- (A) when more length for the same number of turns is provided
- (B) when the number of turns of the coil increases
- (C) when more area for each turn is provided
- (D) when permeability of the core increases

208 When the lead acid cell is fully charged, the electrolyte assumes appearance

- (A) dull
- (B) reddish
- (C) bright
- (D) milky

209 Which is the second longest river in India after Ganga ?

- A. Cauvery
- B. Krishna
- C. Godavari
- D. Yamuna

210 Carbon rods are used in wet and dry cells because

- (A) Carbon rod serves as conductor
- (B) Carbon can resist the attack of battery acid.
- (C) both (A) and (B)
- (D) Carbon is easily available

211 Which team Has the most number of IPL Wins ?

- A. Kolkata Knight Riders
- B. RCB
- C. Mumbai Indians
- D. Rajasthan Royals.

212 The motor used in electric traction is

- (A) Synchronous Motor
- (B) 3 phase induction motor
- (C) DC Shunt Motor
- (D) Single phase induction motor

213 Single phase to three phase system in electric traction is also called as

- (A) Kando System
- (B) Synchronous System
- (C) Diesel System
- (D) Steam System

214 Power supply frequency for 25 kV single phase system is

- (A) 161
- (B) 25
- (C) 50
- (D) 60

215 In case of dc series motor, the torque can be found from

- (A) Only magnetization curve
- (B) Only demagnetization curve
- (C) Both (a) & (b)
- (D) None of these

216 Three phase induction motor is not suitable for traction purpose because

- (A) Low starting torque
- (B) High starting current
- (C) Constant speed operation
- (D) All of these

217 AC series motors are most suitable for

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- (A.) Urban services
(B.) Sub-urban services
(C.) Main line services
(D.) All of these
- 218 The motor which is most suitable for the traction work is / are
(A.) DC series motor
(B) DC shunt motor
(C) Single phase ac series motor
(D) Three phase induction motor
- 219 Which of the following is an advantage of electric traction over other methods of traction ?
(A)Faster acceleration
(B)No pollution problems
(C) Better braking action
(D) All of the above
- 220 Which of the following is the voltage for single phase A.C. system ?
(A) 220 V
(B) 440 V
(C) 5 kV
(D) 15 kV
- 221 In an alternator zero power factor method is used to find the
(A) Synchronous impedance
(B).Efficiency
(C).Armature resistance
(D).Voltage regulation
- 222 The advantage of salient poles in an alternator is
(A).Reduced windage loss
(B).Reduced bearing loads and noise
(C).Reduced noise
(D).Adaptability of low and medium speed operation
- 223 Two alternators are to be put in parallel. Which of the following factors should be identical for both?
(A).Frequency
(B).Phase sequence
(C).Voltage
(D).All of the above
- 224 Three-phase alternators are invariably star-connected because
(A).Higher terminal voltage is obtained
(B).Less turns of wire are required
(C).Small conductors can be used
(D).Magnetic losses are the minimum
- 225 Alternators are usually designed to generate
(A).Definite currents
(B).Definite power factor
(C).Variable frequencies
(D).Definite frequencies
- 226 In an alternator, the armature reaction will be completely magnetizing in case the load power factor is
(A).Zero lagging
(B).Zero leading
(C).0.866
(D).Unity
- 227 When the speed of an alternator increases
(A).The frequency decrease
(B).The frequency increases
(C).The frequency remains same
(D).The frequency changes
- 228 Hydrogen is used in large alternators mainly to
(A).Reduce distortion of waveform
(B).Cool the machine
(C.)Strengthen the magnetic field
(D).Reduce eddy current losses
- 229 The frequency of voltage generated in large alternators is
(A).50 Hz
(B).60 Hz
(C).In kilo cycles
(D).In mega cycles
- 230 In an alternator, the stator frame serves
(A).To verticate the armature
(B).To hold the armature stampings
(C).To protect the whole machine
(D).As a return path for the flux
- 231 In an alternator short-circuit current is limited by

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- (A).The saturated synchronous impedance
- (B).The unsaturated synchronous impedance
- (C)Either of the above
- (D).None of the above

232 Vernier Callipers is used to measure

- A) Temperature
- B)Linear dimensions
- C) Weight
- D)Angle

233 Current is collected from OHE to A.C.loco through

- (A) Transformer
- (B) circuit breaker
- (C) pantograph
- (D) servo motor

234 The maximum rpm of a Hitachi Traction Motor is

- A) 2150 rpm
- (B) 1000 rpm
- (C) 1100 rpm
- (D) 1250 rp

235 How the temperature of water is raised in Procecco Plant?

- (A)Electric Heater
- (B)Boiler
- (C) LPG Gas
- (D)None of these

236 How much weight is allowed during dynamic balancing of TM 15250A Armature?

- (A) 25 Gram
- (B) 20 Gram
- (C) 10 Gram
- (D) 14 Gram

237 In an alternator, armature reaction is considered equivalent to

- (A).Fictitious impedance
- (B).Fictitious conductance
- (C.)Fictitious reactance
- (D.)Fictitiouse resistance

238 In an alternator short pitch coils are used

- (A.)To reduce the stray losses
- (B.)To reduce the size of the machine
- (C.)To provide accurate phase difference of 1200 between
- (D.)To reduce the harmonics in generated e.m.f.

239 In an alternator terminal voltage rise will be more

- (A.)When leading load is thrown off
- (B).When lagging load is thrown off
- (C.)When unity power factor load is thrown off
- (D.)None of the above

240 The maximum current that can be supplied by an alternator depends on

- (A)Exciter current
- (B).Strength of the magnetic field
- (C.)Number of poles
- (D)Speed of the exciter

241 The power factor of an alternator is determined by its

- (A).Primemover
- (B).Excitation
- (C).Speed
- (D).Load

242 An alternator is said to be over excited when it is operating at

- (A).Lagging power factor
- (B).Leading power factor
- (C.)Unity power factor
- (D).Lagging to leading power factor

243 At leading power factor, the armature flux in an alternator

- (A).Distorts the rotor flux
- (B)Aids the rotor flux
- (C.)Opposes the rotor flux
- (D).Does not affect the rotor flux

244 As the speed of an alternator increases, the frequency

- (A) Increases
- (B) Decreases
- (C) Remains constant
- (D) May increases or decreases depending on the power factor

245 The generator which gives dc supply to the rotor of an alternator is called

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- (A) Converter
- (B) Exciter
- (C) Inverter
- (D) Rectifier

246 What is the abbreviation form of IRIEEN

- a. Indian Railway Institute of Electrical Engineering
- b. Indian Railway Institute of Electronics Engineering
- C. Indian Railway Institute of Economics and Engineering
- d. None

247 The value of $x^2 - 5$ at $x = -1$ is

- A. -2
- B. -1
- C. -4
- D. -5

248 Engine of bike is based on _____ of engine.

- A) Four stroke cycle
- B) Two stroke cycle
- C) Atkinson cycle
- D) None of above

249 If base area of a room 12 m² and height is 3 m then its volume is:

- A. 4 m³
- B. 36 m³
- C. 12 m³
- D. 18 m³

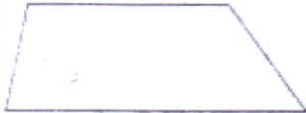
250 The degree of the polynomial, $x^4 - x^2 + 2$ is

- (a) 2
- (b) 4
- (c) 1
- (d) 0

251 The area of a square of side a is

- (a) a
- (b) a^2
- (c) 2a
- (d) 4a

252 The diagram has the shape of a



- a) circle
- (b) parallelogram
- (c) rectangle
- (d) trapezium.

253 The area of a rectangle of length a and breadth b is

- (a) $a + b$
- (b) ab
- (c) $a^2 + b^2$
- (d) $2ab$

254 VPI of stator of three phase traction motor of WAP 7 Loco is done using,

- (A) Silicone Varnish
- (B) Polyester Varnish
- (C) Polyesterimide Varnish
- (D) Epoxy Varnish

What is the percentage monthly contribution of PF?

- A) 12%
- B) 8%
- C) 9%
- D) 9.33%

255 What is the current rate of Children Education Allowance(CEA) per month.

- a) 1800
- b) 2250
- c) 2400
- d) 3000

257 What is the validity of year ending privileges passes issued to railway servant?

- A) 31th March
- B) 30th April
- C) 31th May
- D) 30th May

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- 258 What is the stipulated period to reply RTI application?
a) 10 days
b) 20 days
c) 45 days
d) 30 days
- 259 The ratio of 50 paise to Rs. 1 is
(a) 1 : 2
(b) 2 : 1
(c) 1 : 1
(d) 1 : 5.
- 260 How many days LHAP a railway servant can accumulate in his account?
A) 300 days
B) 500 days
C) No Limit
D) 240 days
- 261 Maximum percentage of pension can be commuted by a railway servant.
A) 10%
B) 20%
C) 30%
D) 40%
- 262 For how many days paternity leave is admissible to Railway Servant?
A) 15 days
B) 30 days
C) 45 days
D) 180 days
- 263 For how much period study leave can be granted at a stretch?
A) 24 months
B) 36 months
C) 12 month
D) 30 month
- 264 What is the maximum limit of continuous leave that can be granted in exceptional circumstances to a railway servant.
A) 2 years
B) 3 years
C) 4 years
D) 5 years
- 265 For best Inventory performance results we must combine ABC analysis & VED analysis.
Our first focus should be on.
A. Vital & A items B. Vital & C items C. Desirable & A items D. Desirable & C items
- 266 _____ form is used for placing a Railway employee under suspension
A) SF-1
B) SF-11
C) SF-8
D) SF-2
- _____ form is used for appointment of Inquiry Officer
a) SF7
b) SF10
c) SF6
d) SF8
- 267
- 268 Railway Service(conduct) Rules came into force in _____
a) 1966
b) 1975
c) 1947
d) 1968
- 269 Gazetted staff having completed 20 years and more but less than 25 years of service are entitled to get post retirement passes at the rate of ____per year.
A) 1
B) 2
C) 3
D) 6
- 270 When no leave is admissible under any other rule, the leave granted is known as
A) LAP
B) LHAP
C) SPL
D) Extra ordinary leave
- 271 The birth anniversary of which freedom fighter is to be celebrated as the Parakram Diwas?

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| | | |
|-----|---|----------------|
| | a) Sardar Vallabh Bhai Patel b) Subhash Chandra Bose c) Bal Gangadhar Tilak d) V D Savarkar | 15/12/25 48 |
| 272 | Name of the newly appointed Chairman CEO (Chief Executive Officer) of Railway Board? A) Vinod Kumar Yadav B) Ashwani Lohani C) Anil Kumar Lahoti D) Sudhir Bhargava | |
| 273 | The Indian Railways has launched which virtual server to optimise server usage and faster connectivity? A) RailSagar B) RailCloud C) RailSilve D) RailBharat | |
| 274 | What does Faraday's law concern? A) a magnetic field in a coil B) a magnetic field cutting a conductor C) a magnetic field hysteresis D) a magnetic field in a conductor | |
| 275 | LAP shall be credited to a Railway servant at the rate of A) 2½ days per month B) 3 days per month C) 2 days per month D) 1½ days per month | |
| 276 | Maximum encashment of leave on average pay is..... A) 200 days B) 180 days C) 360 days D) 300 days | |
| 277 | What is the maximum period of leave on Average pay at time that a Railway servant may be granted? A) 120 days B) 160 days C) 180 days D) 300 days | |
| 278 | Commuted leave is admissible on A) Medical Certificate B) Request of an employee C) Discretion of competent authority D) None | |
| 279 | Full form of P.T.O. (A) Personnel Ticket Order (B) Permanent Ticket Order (C) Privilege Ticket Order (D) Pass & Ticket Order. | |
| 280 | Indian Railway stores code is in how many Volumes ? A. 2 B. 3 C. 4 D. 5 | |
| 281 | Which No. of standard form is used for issuance of Major penalty charge sheet on disciplinary proceedings? (A) SF-11 (B) SF-6 (C) SF-5 (D) None of these | |
| 282 | Buffer stock is provided – A) To meet unforeseen requirement B) To supply items to other users C) To make good shortfall due to theft, deterioration D) To have items out of stock | |
| 283 | Staff major penalty namely (A) Compulsory retirement (B) Stoppage of increment (C) Reduction to the lower stage (D) None | |
| 284 | A _____ bearing support the load acting along the axis of the shaft A) Thrust B) Radial C) Longitudinal D) Transversal | |
| 285 | Where is National Institute of Disaster management located in India. | |

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| | |
|-----|---|
| | A) New Delhi B) Pune C) Chennai D) Nagpu |
| 286 | In a VED analysis "V" stands for A) Vague items B) Very costly items C) Vital item D) Variety of items |
| 287 | Water type fire extinguisher is used for? A) Class A Fire B) Class B Fire C) Class C Fire D) Class D Fire |
| 288 | Work study is related to (A) Planning of a new work (B) Method Study and Work Measurement (C) Amount of work done by a machine (D) Calculation of Incentive |
| 289 | Time study is done with the help of (A) Time chart (B) Pert handling (C) Stop watch (D) Wall clock |
| 290 | What is Leave reserve factor for PLW for incentive calculation? (A) 16% (B) 12.5% (C) 18% (D) 16.5% |
| 291 | What is the abbreviation form of SCADA a. Supervisory Control and Data Acquisition. b. Supervisory Central and Distribution Acquisition C. Supervisory Central Advanced Data Acquisition. d. none of the Above |
| 292 | GPI stands for (A) Group Production Index (B) Group Productivity Index (C) Gross productivity Index (D) Group Productivity Incentive |
| 293 | What is the value of WPI? (A) Average of GPI of all groups (B) Average of incentive percentage (C) Average of SUs of all groups (D) Average of Incentive earning of all employees |
| 294 | VPI of stator of three phase 6FRA6068 traction motors is done by using, A) Silicone Varnish B) Polyester Varnish C) Polyesterimide Varnish D) Epoxy Varnish |
| 295 | At no-load, the Iron loss of a 3-phase induction motor is A) Practically Zero B) Large C) Infinity D) None of the above |
| 296 | Temperature rating of Class C insulation is A) 180 Deg.C B) 200 Deg.C C) 220 Deg.C D) 155 Deg.C |
| 297 | Which of the following parameter is not monitored during No Load Test of the traction motor. a) Current in the line b) Resistance of the line c) Length of the line d) All |
| 298 | The power loss in transmission/distribution line depends on ____. (A) Ball Bearing (B) Tapered Bearing (C) Roller Bearing (D) Needle Bearing |
| 299 | WAP7 Loco is fitted in which type of Traction motors. |

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| | |
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| | (A) 6FRA6068 (B) TAO 659 (C) TM 15250A (D) TM HHP |
| 300 | What is the traction motor pinion gear and Bull Gear ratio of WAP7 Loco. |
| | (A) 18:65 (B) 21:107 (C) 20:72 (D) 19:65 |
| 301 | Core losses in transformer are caused by a) Hysteresis loss b) Eddy current loss c) both a & b d) None |
| 302 | Full form of IREPS:- A) Indian Railway E – Procurement System B) Indian Railway E – Personal System C) Indian Railway Employee Pass System D) None of above |
| 303 | The flow of current in solids is due to A. Electrons B. Electrons and ions C. Atoms D. Nucleus |
| | What is the full form of HRMS A. Human Railway Manpower System B. Human Resource Management System C. Human Resource Manpower System D. None of above |
| 305 | ISO 9001 is related to which management System? (A) Quality (B) Environment (C) Health & Safety (D) Energy |
| 306 | ISO 14001 is related to which management System? (A) Quality (B) Environment (C) Health & Safety (D) Energy |
| 307 | The resistance of a conductor varies inversely as A. Length B. Area of cross-section C. Temperature D. Resistivity |
| | The property of the conductor due to which it passes current is called A. Resistance B. Reluctance C. Conductance D. Inductance |
| 309 | A closed switch has a resistance of A. Zero B. About 50 ohms C. About 500 ohms D. Infinity |
| 310 | Which of the following quantities remain the same in all parts of a series circuit? A. Voltage B. Current C. Power D. Resistance |
| 311 | Fire caught in material like petrol, diesel, oil etc are called A) Class A Fire B) Class B Fire C) Class C Fire D) Class D Fire |
| 312 | Fire caught in material like Paper, wood, rubber, plastics, textile, etc are called A) Class A Fire B) Class B Fire C) Class C Fire D) Class D Fire |
| 313 | Out of 40 students in a class, 25% passed. How many students passed ? (a) 20 (b) 10 |

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(c) 30
(d) 40.

314 Output Devices of computer is

- A. Printer
- B. Projector
- C. Monitor
- D. All of the above

315 What is wrong about consequences of accidents in a factory

- A) Medical expenses.
- B) Loss of incentive.
- C) No peace of mind in family.
- D) None of the above

316 Which is not an Objectives of 5S?

- A) Creating a neat and clean workplace
- B) Systematize day to day working
- C) Do not Improve work efficiency
- D) Standardize work practices

317 What is not the probable reason of accidents?

- A) Ignorance
- B) Proper clothing
- C) Curiosity
- D) Over confidence

318 What is the probable reason of accidents?

- A) Condition of machines & tools
- B) Faulty wiring
- C) Dangerous material
- D) All of the above

319 Which is not the probable reason of Grinding Hazards?

- A) Sparks
- B) Breaking of grinding wheel
- C) Flying of objects
- D) None of the above

320 Which is not correct according to the rules of safety?

- A) Use proper plugs.
- B) No hand tool which is not double insulated in use.
- C) No joint of welding lead un-insulated.
- D) None of the above

321 Which option is wrong? A Railway servant may be issued one or more of the following kinds of passes

- A) Duty pass
- B) Privilege pass including passes while on deputation
- C) School pass
- D) Entry pass

322 Railway servant working in administrative office is entitled for casual leave

- a. 12 days b. 08 days c. 11 days d. none of these

323 What do you mean by duty Pass?

- (A) To go home.
- (B) For railway duty
- (C) For tourist purpose ?
- (D) None of these.

324 Choose correct full form of RDSO

- (A) Research Design & Standard Organisation
- (B) Railway Doctors and Staff organization
- (C) Railway directorate of Stores Organisation.
- (D) None of these

325 How many division in Northern Railway

- (A) 3
- (B) 4
- (C) 5
- (D) 6

326 How many Zones are there in Indian Railways?

- (A) 17
- (B) 16
- (C) 18
- (D) 19

327 Name of fastest train in India

- (A) Tejas
- (B) Vande Bharat
- (C) Rajdhani Express
- (D) Shatabdi Express.

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| 328 | Female Railway servant entitled for maternity leave for a. 90 days b.120 days c.180 days d. None of these |
| 329 | Where is Sewage Treatment Plant situated in PLW. (A) Near Hospital (B) Near Shopping Complex. (C) Near Electrical colony maintenance office (D) Near Central School. |
| 330 | What is the full form of MACP in Railways. (A)Modified Assured Career Progression Scheme (B)Minimum Assured Career Plan System (C)Motor accident clam Plan (D) None of above |
| 331 | Who is chief Safety officer in PLW Patiala. (A) CDMS safety Cell (B) JE safety Cell (C)SSE safety cell (D) None of these |
| 332 | Which of the following is not included in the definition of family (A) 20 year old son (B) 25 year old unmarried daughter (C) 70 year old father (D) None of these |
| 333 | Which green building certification rating achieved for PLW Administrative Bulding. (A) Platinum rating (B) Gold rating (C) Silver rating (D) Bronze rating |
| 334 | Which no. of stranded form is used for issue of minor penalty charge sheet. (A) SF -11 (B) SF- 6 (C) SF- 5 (D) None of above |
| 335 | Weekly sanction work hours for intensive category employee in HOER. (A) 42 hours (B) 48 hours (C) 52 hours (D)No time limit. |
| 336 | How many digits there in PNR number. (A) 8 (B) 9 (C) 10 (D) 12 |
| 337 | What are the basic features of Microsoft word? A) Bold, Underline, and Italicize with Microsoft Word B) Delete Key C) Inserting Text D) all of the above |
| 338 | How many PTO are issued to group "C" Staff. (A) 2 Sets (B) 6 Sets (C) 4 Sets (D) 8 Sets |
| 339 | Welfare section works under.....department (A) Personal (B) Mechanical (C) Account (D) Electrical |
| 340 | Which is the Headquarter of Northern Railway. (A) Patiala House (B) Baroda House (C) Oppera House (D) Rail Bhawan |
| 341 | Who is the factory manager of PLW according to factory Act. (A) Dy.CEE/Plant B)Dy.CME/System C)Dy.CME/Planing D)Dy.CME/HMS |
| 342 | Which version of ISO 9001 standard is current? |

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- (A) 9001:2000
(B) ISO 9001:2008
(C) ISO 9001:2015
(D) ISO 9001:2004
- 343 How many Casual Leave are granted to officers in PLW.
(A) 12
(B) 15
(C) 8
(D) None of above.
- 344 Where is first Aid post and Ambulance Room is situated in PLW workshop.
(A) Near RPF main gate
(B) Near TTC
(C) Near Tool Room
(D) Near Civil maintenance office.
- 345 Emergency situation in PLW can arise due to.
(A) Explosion of DA GAS/ LPG Cylinders
(B) Fire and explosion in LPG storage area.
(C) Failure of electric circuits.
(D) All of the above
- 346 Indian Railways is planning to launch which new train to boost tourism?
(A) Bharat Gaurav
(B) Sampurna Kranti
(C) Paryatan Gaurav
(D) Bharat Paryatan
- 347 Patalpani railway station will be renamed after which tribal icon?
(A) Komaram Bheem
(B) Gunda Dhur
(C) Birsa Munda
(D) Tanya Bhil
- 348 Which Ministry has permitted to classify expenditure made on "Covid-19 vaccination awareness" under CSR?
(A) Ministry of Home Affairs
(B) Ministry of Finance
(C) Ministry of Health
(D) Ministry of Corporate Affairs
- 349 Longest tunnel on Indian Railway's line is
(A) Kharbude tunnel on Konkan Railway
(B) Near Lonavala between Monkey hill and Khandala station
(C) Kalka Shimla
(D) Darjeeling hill Railway
- 350 Which state is set to construct a Covid Warrior Memorial?
(A) Tamil Nadu
(B) Kerala
(C) Odisha
(D) Karnataka
- 351 In Union Budget 2023, how much amount is allocated for Railways?
(A) 1,00,000 crore
(B) 3,25,000 crore
(C) 1,10,055 crore
(D) 2,60,000 crore
- 352 A national rail plan has been prepared by Indian Railways for India. The plan is to create a future-ready railway system by
(A) 2030
(B) 2025
(C) 2035
(D) 2040
- 353 ISO 50001 standard is a standard for.
(A) Energy management system
(B) Welding management system
(C) Quality management system
(D) None of these.
- 354 What is Full Form of ISO?
(A) International students Organization
(B) International Standard organization
(C) International Organization for Standardisation
(D) None of the Above
- 355 ISO 9001 standard is related to.....
(A) Environmental management System
(B) Occupational Health And Safety
(C) Quality management System

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D) All of the Above

356 Canteen required in factory for more thanemployees.

- (A) 500-600
- (B) 200-270
- (C) 250-300
- (D) 700-800

357 $2+2 \div 2=?$

- A. 2
- B. 3
- C. 1
- D. None

358 The generalised form of the number 33 is

- (a) $10 \times 3 + 3$
- (b) 10×3
- (c) $3 + 3$
- (d) $3 \times 3 + 3$

359 What is the average of the numbers: 0, 0, 4, 10, 5, and 5 ?

- A. 2
- B. 3
- C. 4
- D. 5

360 What is the capital of USA ?

- A. New York
- B. San Francisco
- C. Chicago
- D. Washington D.C.

361 Vande Bharat express is also known as?

- A. Train 17
- B. Train 18
- C. Train 19
- D. Train 20

केन्द्रीय सरकारी कर्मचारियों के कितने पाठ्यक्रम निर्धारित हैं

362

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

363 केंद्र हंदी सलमनत के अध्यक्ष कौन है?

ए) प्रधान मंत्री बी) मुख्य मंत्री सी) लक्ष्मी मंत्री डी) राज्य मंत्री

364 भारत की सर्वाधिक प्राचीन लिपि है :

- ए) सिंधी
- बी) प्राकृत
- सी) खरोष्ठी
- डी) ब्राह्मी

365 किस भाषा को द्रविड़ परिवार की सभी भाषाओं की जननी कहा गया है :

- ए) तमिल
- बी) तेलुगू
- सी) कन्नड़
- डी) मलयालम

366 संस्कृत से सर्वाधिक प्रभावित द्रविड़ भाषा है :

- ए) सिंधी
- बी) तेलुगू
- सी) खरोष्ठी
- डी) ब्राह्मी

राजभाषा विभाग का सुभाषा के क्या मतलब है।

367

- (A) राजभाषा कार्यान्वयन समिति
- (B) राजभाषा कार्यकारी समिति
- (C) राजभाषा कार्मिक समिति
- (D) राजभाषा कानून समिति

केन्द्रीय सरकारी कर्मचारियों के लिए निर्धारित प्रारम्भिक पाठ्यक्रम क्या है।

368

- ए) प्रबोध
- बी) प्रवीण
- सी) प्राज्ञ
- डी) इनमें से कोई नहीं

केन्द्रीय हिंदी समिति के अध्यक्ष कौन हैं।

369

- ए) प्रधानमंत्री
- बी) राष्ट्रपति
- सी) लोकसभा अध्यक्ष

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| 383 | A. तमिल B. तेलुगू C. कन्नड़ D. मलयालम |
| 384 | भारत की किस एकमात्र राज्य की राजभाषा अंग्रेजी है : A. सिक्किम B. नागालैंड C. मिजोरम D. त्रिपुरा |
| 385 | लक्षद्वीप समूह के मिनीकाय द्वीप की भाषा है : A. तमिल B. तेलुगू C. माहल D. मलयालम |
| 386 | भारत के किस प्रांत में कोंकणी भाषा बोली जाती है : A. केरल तथा कर्नाटक B. महाराष्ट्र तथा गोवा C. ओडिशा तथा पं. बंगाल D. आंध्र प्रदेश तथा ओडिशा |
| 387 | निम्नलिखित में से कौन सी भाषा भारतीय संविधान की आठवी अनुसूची में नहीं है : A. उर्दू B. संस्कृत C. अंग्रेजी D. नेपाली |
| 388 | केंद्रीय भारतीय भाषा संस्थान कहाँ स्थित है : A. हैदराबाद B. वाराणसी C. मैसूर D. जलन्धर |
| 389 | भारत की सर्वाधिक प्राचीन भाषा है : A. हिंदी B. पाली C. संस्कृत D. उर्दू |
| 390 | भारत संघ की राजभाषा क्या है। A) उर्दू B) पंजाबी C) अंग्रेजी D) देवनागरी लिपि में हिन्दी |
| 391 | राजभाषा हिन्दी किस लिपि में लिखी जाती है। A) अरबी B) गुरुमुखी C) देवनागरी D) रोमन |
| 392 | संसद में संविधान का भाग 17 किस तारीख को पारित हुआ। A) 16.09.1949 B) 14.09.1949 C) 14.09.1950 D) 26.01.1950 |
| 393 | राजभाषा अधिनियम 1963 कब पारित हुआ। A) 04.05.1963 B) 10.05.1963 C) 17.05.1963 D) 19.05.1967 |
| 394 | राजभाषा अधिनियम 1963 कब संशोधित था। A) 1967 B) 1970 C) 1971 D) 1972 |
| 395 | राजभाषा नियम के अधीन वर्गीकृत तीन क्षेत्र क्या-क्या हैं। A) क, ख और ग क्षेत्र B) घ, छ और ज C) ट, ठ और ड D) प, फ और ब |

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39

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| 396 | प्रत्येक वर्ष हिन्दी दिवस कब मनाया जाता है। A) 14 सितम्बर B) 16 सितम्बर C) 17 सितम्बर D) 19 सितम्बर |
| 397 | राजभाषा नियम के अनुसार अण्डमान व निकोबार द्वीप समूह किस क्षेत्र में आता है। A) क क्षेत्र B) ख क्षेत्र C) ग क्षेत्र D) इनमें से कोई नहीं |
| 398 | ख क्षेत्र में वर्गीत एक मात्र संघ राज्य क्षेत्र कौन-सा है। A) चंडीगढ़ B) गोवा C) दिल्ली D) दमन द्वीप |
| 399 | अरुणाचल प्रदेश की राजभाषा क्या है। A) उर्दू B) पंजाबी C) अंग्रेजी D) हिन्दी |
| 400 | केन्द्रीय सरकारी कर्मचारियों के लिए निर्धारित प्रारंभिक पाठ्यक्रम क्या है। ए) प्रबोध बी) प्रवीण सी) प्राज्ञ डी) इनमें से कोई नहीं |


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Answer key of Sample Multiple Choice Question for Selection of JE-25% Ranker Quota

| | | | | | | | | | | | | | | | |
|----|---|-----|---|-----|---|-----|---|-----|---|-----|---|-----|---|-----|---|
| 1 | A | 51 | C | 101 | A | 151 | A | 201 | A | 251 | B | 301 | C | 351 | D |
| 2 | B | 52 | D | 102 | C | 152 | A | 202 | C | 252 | D | 302 | A | 352 | A |
| 3 | B | 53 | B | 103 | C | 153 | D | 203 | B | 253 | B | 303 | A | 353 | A |
| 4 | A | 54 | B | 104 | C | 154 | B | 204 | D | 254 | A | 304 | B | 354 | C |
| 5 | B | 55 | D | 105 | B | 155 | B | 205 | C | 255 | A | 305 | A | 355 | C |
| 6 | D | 56 | B | 106 | C | 156 | A | 206 | D | 256 | B | 306 | B | 356 | C |
| 7 | A | 57 | C | 107 | B | 157 | B | 207 | A | 257 | D | 307 | B | 357 | B |
| 8 | C | 58 | D | 108 | C | 158 | B | 208 | D | 258 | D | 308 | C | 358 | A |
| 9 | D | 59 | D | 109 | B | 159 | B | 209 | C | 259 | A | 309 | A | 359 | C |
| 10 | A | 60 | C | 110 | A | 160 | A | 210 | C | 260 | C | 310 | B | 360 | D |
| 11 | B | 61 | A | 111 | D | 161 | B | 211 | C | 261 | D | 311 | B | 361 | B |
| 12 | A | 62 | B | 112 | D | 162 | A | 212 | B | 262 | A | 312 | A | 362 | A |
| 13 | D | 63 | A | 113 | D | 163 | A | 213 | A | 263 | A | 313 | B | 363 | A |
| 14 | D | 64 | D | 114 | A | 164 | B | 214 | C | 264 | D | 314 | D | 364 | D |
| 15 | D | 65 | C | 115 | B | 165 | A | 215 | A | 265 | A | 315 | D | 365 | A |
| 16 | B | 66 | D | 116 | D | 166 | A | 216 | D | 266 | A | 316 | C | 366 | B |
| 17 | B | 67 | A | 117 | C | 167 | D | 217 | C | 267 | A | 317 | B | 367 | A |
| 18 | B | 68 | A | 118 | D | 168 | A | 218 | A | 268 | A | 318 | D | 368 | A |
| 19 | C | 69 | C | 119 | C | 169 | B | 219 | A | 269 | C | 319 | D | 369 | A |
| 20 | A | 70 | A | 120 | A | 170 | B | 220 | A | 270 | D | 320 | D | 370 | A |
| 21 | B | 71 | C | 121 | D | 171 | B | 221 | D | 271 | B | 321 | D | 371 | A |
| 22 | C | 72 | C | 122 | A | 172 | C | 222 | D | 272 | C | 322 | B | 372 | A |
| 23 | A | 73 | D | 123 | A | 173 | C | 223 | D | 273 | B | 323 | B | 373 | B |
| 24 | B | 74 | B | 124 | D | 174 | D | 224 | A | 274 | B | 324 | A | 374 | A |
| 25 | A | 75 | D | 125 | D | 175 | B | 225 | D | 275 | A | 325 | C | 375 | A |
| 26 | B | 76 | B | 126 | D | 176 | D | 226 | B | 276 | D | 326 | D | 376 | C |
| 27 | D | 77 | B | 127 | B | 177 | C | 227 | B | 277 | C | 327 | B | 377 | A |
| 28 | A | 78 | C | 128 | C | 178 | D | 228 | B | 278 | A | 328 | C | 378 | A |
| 29 | B | 79 | A | 129 | C | 179 | B | 229 | A | 279 | C | 329 | D | 379 | A |
| 30 | B | 80 | A | 130 | B | 180 | A | 230 | D | 280 | A | 330 | A | 380 | B |
| 31 | C | 81 | A | 131 | D | 181 | A | 231 | B | 281 | C | 331 | C | 381 | C |
| 32 | B | 82 | C | 132 | D | 182 | D | 232 | B | 282 | A | 332 | C | 382 | A |
| 33 | B | 83 | D | 133 | C | 183 | C | 233 | C | 283 | A | 333 | A | 383 | B |
| 34 | A | 84 | A | 134 | C | 184 | B | 234 | A | 284 | A | 334 | A | 384 | B |
| 35 | A | 85 | A | 135 | D | 185 | C | 235 | A | 285 | A | 335 | A | 385 | C |
| 36 | A | 86 | A | 136 | B | 186 | B | 236 | C | 286 | C | 336 | C | 386 | B |
| 37 | C | 87 | A | 137 | D | 187 | C | 237 | C | 287 | A | 337 | D | 387 | C |
| 38 | B | 88 | A | 138 | D | 188 | C | 238 | D | 288 | D | 338 | C | 388 | C |
| 39 | A | 89 | C | 139 | D | 189 | A | 239 | B | 289 | C | 339 | A | 389 | C |
| 40 | B | 90 | B | 140 | D | 190 | A | 240 | D | 290 | B | 340 | B | 390 | D |
| 41 | B | 91 | A | 141 | A | 191 | A | 241 | D | 291 | A | 341 | A | 391 | C |
| 42 | A | 92 | C | 142 | D | 192 | A | 242 | B | 292 | B | 342 | C | 392 | B |
| 43 | C | 93 | B | 143 | A | 193 | C | 243 | B | 293 | A | 343 | C | 393 | B |
| 44 | D | 94 | A | 144 | B | 194 | D | 244 | A | 294 | A | 344 | D | 394 | A |
| 45 | C | 95 | B | 145 | B | 195 | B | 245 | B | 295 | A | 345 | D | 395 | A |
| 46 | B | 96 | D | 146 | D | 196 | C | 246 | A | 296 | B | 346 | A | 396 | A |
| 47 | C | 97 | B | 147 | A | 197 | D | 247 | C | 297 | D | 347 | D | 397 | A |
| 48 | B | 98 | D | 148 | A | 198 | A | 248 | A | 298 | C | 348 | D | 398 | A |
| 49 | B | 99 | B | 149 | C | 199 | A | 249 | B | 299 | A | 349 | A | 399 | C |
| 50 | B | 100 | A | 150 | A | 200 | A | 250 | B | 300 | C | 350 | C | 400 | A |

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