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CSPDCL JE

**Previous Year Paper
(Electrical)
06 Jan, 2022 Shift 1**





CHHATTISGARH STATE POWER HOLDING COMPANY LIMITED
(A Government of Chhattisgarh Undertaking)
CIN No. : U65992CT2008SGC020995
O/o GM (HR), C.S. Power Holding Co.Ltd., Raipur

Participant ID	
Participant Name	
Test Center Name	
Test Date	06/01/2022
Test Time	9:00 AM - 11:00 AM
Subject	Junior Engineer Trainee - Electrical

Section : General Awareness & Reasoning

Q.1 The Citizenship Act, 1955, has been lastly amended in the year _____.

- Ans
- 1. 2011
 - 2. 2019
 - 3. 2021
 - 4. 2016

Question ID : 7532297593
Status : Not Answered
Chosen Option : --

Q.2 Who has become the first Indian woman to win the silver medal at the World wrestling championship at Oslo in 2021?

- Ans
- 1. Kavita Devi
 - 2. Babita Kumari
 - 3. Anshu Malik
 - 4. Vinesh Phogat

Question ID : 7532297585
Status : Answered
Chosen Option : 3

Q.3 Which of the following is NOT an example of Monocotyledon plant?

- Ans
- 1. Wheat
 - 2. Rice
 - 3. Maize
 - 4. Gram

Question ID : 7532297591
Status : Not Answered
Chosen Option : --

Q.4 Which of the following best defines depreciation in a business?

- Ans
- 1. Gradual loss in non-performing assets of a firm
 - 2. Gradual loss in the production of the product stock of a firm
 - 3. Gradual decrease in the economic value of the capital asset of a firm due to wear and tear or obsolescence
 - 4. Gradual decrease in consumable stocks of the firm

Question ID : 7532297589
Status : Not Answered
Chosen Option : --

Q.5 _____ is the most stable land block in the Indian subcontinent which mainly consists of metamorphic rocks.

- Ans
- 1. The Himalayan Mountains
 - 2. The Islands
 - 3. The Indian Desert
 - 4. The Peninsular Plateau

Question ID : 7532297590
Status : Not Answered
Chosen Option : --

Q.6 When did Mohandas Karamchand Gandhi return to his homeland after two decades of residence abroad?

- Ans
- 1. 1913
 - 2. 1921
 - 3. 1915
 - 4. 1919

Question ID : 7532297586
Status : Answered
Chosen Option : 3

Q.7 Which of the following institutions has the power to issue a writ of 'Habeas corpus' in India?

- (i) No court of law
- (ii) Supreme court
- (iii) High court
- (iv) Lower court

- Ans
- 1. Both ii and iii
 - 2. Only i
 - 3. Only ii
 - 4. Only ii, iii and iv

Question ID : 7532297592
Status : Answered
Chosen Option : 1

Q.8 As per Niti Aayog report 'Reforms in Urban Planning Capacity in India' report 2021, how much per cent of the total global urban population do Indian cities nearly have?

- Ans
- 1. 15%
 - 2. 21%
 - 3. 26%
 - 4. 11%

Question ID : 7532297584
Status : Not Answered
Chosen Option : --

Q.9 The famous British architect Edwin Lutyens is best known for designing:

- Ans
- 1. Gateway of India
 - 2. Victoria Memorial
 - 3. Supreme Court building
 - 4. India Gate

Question ID : 7532297587
Status : Answered
Chosen Option : 3

Q.10 After the merger of Banks in the year 2020, the number of public sector banks operating in India in the year 2021 are _____.

- Ans
- 1. 16
 - 2. 10
 - 3. 12
 - 4. 14

Question ID : 7532297588
Status : Not Answered
Chosen Option : --

Q.11 In a certain code language, DISTILER is written as RILTISED. How will INTERPOL be written in that language?

- Ans
- 1. LOPRETNI
 - 2. LNPERTOI
 - 3. LONIPRTE
 - 4. OLINRPTE

Question ID : 7532297597
Status : Answered
Chosen Option : 2

Q.12 Select the number from among the given options that can replace the question mark (?) in the following series.

246, 239, ?, 226, 220, 213

- Ans**
- 1. 233
 - 2. 237
 - 3. 235
 - 4. 231

Question ID : 7532297602
Status : Answered
Chosen Option : 1

Q.13 Hritik went 4 km straight towards the north and turned right. After covering a distance of 3 km, he again turned right and covered a distance of 2 km. Finally, he turned right again and stopped after travelling 1 km. In which direction is he from the starting point?

- Ans**
- 1. South-east
 - 2. North-east
 - 3. South
 - 4. North-west

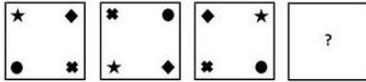
Question ID : 7532297598
Status : Answered
Chosen Option : 2

Q.14 'Ring' is related to 'Finger' in the same way as 'Armlet' is related to '_____':

- Ans**
- 1. Lower arm
 - 2. Upper arm
 - 3. Waist
 - 4. Forehead

Question ID : 7532297600
Status : Not Answered
Chosen Option : --

Q.15 Select the figure from among the given options that can replace the question mark (?) in the following series.

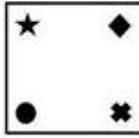


Ans

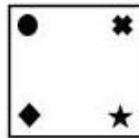
✗ 1.



✗ 2.



✓ 3.



✗ 4.



Question ID : 7532297601

Status : Answered

Chosen Option : 3

Q.16 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

- 1) All books are notebooks.
- 2) Some notebooks are slates.

Conclusions:

- I. Some books are slates.
- II. No slate is a book.

Ans

✗ 1. Only conclusion I follows

✗ 2. Only conclusion II follows

✓ 3. Neither conclusion I nor II follows

✗ 4. Both conclusions I and II follow

Question ID : 7532297595

Status : Answered

Chosen Option : 3

Q.17 Select the letter from among the given options that can replace the question mark (?) in the following series.

V, ?, M, G, Z

- Ans**
- 1. R
 - 2. Q
 - 3. S
 - 4. P

Question ID : 7532297596
Status : Answered
Chosen Option : 3

Q.18 If 'A S B' means 'A is the son of B', 'A % B' means 'A is the mother of B', and 'A & B' means 'A is the brother of B', then how is T related to P when 'T & Z % K S P'?

- Ans**
- 1. Nephew
 - 2. Brother-in-law
 - 3. Son-in-law
 - 4. Cousin

Question ID : 7532297599
Status : Answered
Chosen Option : 2

Q.19 Five girls (A, B, C, D and E) are sitting on a bench facing south. A is sitting in the middle of the bench and second to the left of B. If C is fourth from the right end of the bench and not sitting adjacent to D, then what is the sitting position of E?

- Ans**
- 1. Extreme left of the bench
 - 2. To the immediate left of D
 - 3. Extreme right of the bench
 - 4. Exactly between A and B

Question ID : 7532297594
Status : Answered
Chosen Option : 2

Q.20 What will be the approximate value of the following expression?

$$223.09 - 142.96 \div 13.07 = ?$$

- Ans**
- 1. 211
 - 2. 214
 - 3. 212
 - 4. 215

Question ID : 7532297603
Status : Answered
Chosen Option : 3

Q.1 If 3 capacitors, each of capacitance C are connected in series, then the equivalent capacitance will be:

- Ans
- 1. $9C$
 - 2. C
 - 3. $3C$
 - 4. $C/3$

Question ID : 7532297613
Status : Answered
Chosen Option : 4

Q.2 For measuring three-phase power by the two-wattmeters method, the two wattmeters will indicate the same reading but of opposite sign when the load power factor is:

- Ans
- 1. 0.5
 - 2. zero
 - 3. unity
 - 4. 0.8

Question ID : 7532297625
Status : Answered
Chosen Option : 2

Q.3 The practical value of α in a transistor is about:

- Ans
- 1. 0.85 to 0.99
 - 2. 100 to 200
 - 3. 50 to 100
 - 4. 0.1 to 0.5

Question ID : 7532297619
Status : Answered
Chosen Option : 1

Q.4 The purpose of backup relay is to:

- Ans
- 1. guard against failure of primary protection
 - 2. increase the speed
 - 3. leave no blind space
 - 4. increase the voltage

Question ID : 7532297677
Status : Answered
Chosen Option : 1

Q.5 The function of steel wire in ACSR conductors is to:

- Ans
- 1. compensate for corona
 - 2. compensate for the skin effect
 - 3. provide extra inductance
 - 4. provide additional mechanical strength

Question ID : 7532297656
Status : Answered
Chosen Option : 4

Q.6 If the poles in a lap wound generator are doubled, then the generated EMF will:

- Ans
- 1. become half
 - 2. become double
 - 3. become four times
 - 4. remain the same

Question ID : 7532297640
Status : Answered
Chosen Option : 2

Q.7 Binary number 1011 is equivalent to octal number:

- Ans
- 1. 15
 - 2. 13
 - 3. 16
 - 4. 11

Question ID : 7532297642
Status : Answered
Chosen Option : 2

Q.8 In DC shunt motor field, winding consists of:

- Ans
- 1. few turns of thin wire
 - 2. many turns of thick wire
 - 3. many turns of thin wire
 - 4. few turns of thick wire

Question ID : 7532297638
Status : Answered
Chosen Option : 3

Q.9 The speed-time curve is the curve showing the instantaneous speed of a train in:

- Ans
- 1. kilometres per hour
 - 2. miles per hour
 - 3. miles per day
 - 4. kilometres per day

Question ID : 7532297672
Status : Answered
Chosen Option : 2

Q.10 An 8085 microprocessor has _____ address lines.

- Ans 1. 16
 2. 2
 3. 8
 4. 4

Question ID : 7532297664
Status : Answered
Chosen Option : 1

Q.11 In a 3 input NAND gate, the number of states where output is 1 equals:

- Ans 1. 0
 2. 1
 3. 7
 4. 8

Question ID : 7532297643
Status : Answered
Chosen Option : 3

Q.12 Insulation resistance is measured by:

- Ans 1. a voltmeter
 2. an ohmmeter
 3. meggar
 4. an ammeter

Question ID : 7532297673
Status : Answered
Chosen Option : 3

Q.13 If in a conductor, more current flows on the surface in comparison to its core, then this effect is called:

- Ans 1. the Ferranti effect
 2. Lenz's effect
 3. corona
 4. the skin effect

Question ID : 7532297654
Status : Answered
Chosen Option : 4

Q.14 The function of inverters is to convert:

- Ans 1. DC into DC
 2. AC into DC
 3. AC into AC
 4. DC into AC

Question ID : 7532297665
Status : Answered
Chosen Option : 4

Q.15 ROM stands for:

- Ans
- 1. Random Only Memory
 - 2. Write Only Memory
 - 3. Read Only Memory
 - 4. Programmable Read Only Memory

Question ID : 7532297648
Status : Answered
Chosen Option : 3

Q.16 _____ in a hydro power plant is used to discharge surplus water on the downstream side of a dam.

- Ans
- 1. Penstock
 - 2. Economizer
 - 3. Spillway
 - 4. Surge tank

Question ID : 7532297649
Status : Answered
Chosen Option : 4

Q.17 For unloaded transmission line, if the receiving end voltage is higher than the sending end voltage, then this condition is called:

- Ans
- 1. the Raman effect
 - 2. the Seebeck effect
 - 3. the switching effect
 - 4. the Ferranti effect

Question ID : 7532297651
Status : Answered
Chosen Option : 4

Q.18 The energy stored in an inductive coil is 2 joules. When a current of 0.2A is established in it, the self-inductance of the coil will be:

- Ans
- 1. 50H
 - 2. 200H
 - 3. 100H
 - 4. 75H

Question ID : 7532297607
Status : Answered
Chosen Option : 3

Q.19 LVDT core is made of:

- Ans 1. brass
 2. soft iron
 3. copper
 4. aluminium

Question ID : 7532297668
Status : Answered
Chosen Option : 2

Q.20 The number of turns on the primary of a current transformer is:

- Ans 1. equal to secondary
 2. less than or more than secondary
 3. more than secondary
 4. less than secondary

Question ID : 7532297679
Status : Not Answered
Chosen Option : --

Q.21 In a power system, 3-phase, 4 wire system is normally used for:

- Ans 1. primary transmission
 2. secondary transmission
 3. primary distribution
 4. secondary distribution

Question ID : 7532297653
Status : Answered
Chosen Option : 4

Q.22 2's complement of the binary number 11001 is:

- Ans 1. 00111
 2. 00110
 3. 00101
 4. 11001

Question ID : 7532297647
Status : Answered
Chosen Option : 1

Q.23 If the rotor resistance in an induction motor is decreased, then maximum torque will occur at:

- Ans 1. the synchronous speed
 2. lower speed
 3. higher speed
 4. the same speed

Question ID : 7532297662
Status : Answered
Chosen Option : 4

Q.24 In an alternator at zero power factor lagging, the armature reaction:

- Ans 1. is wholly demagnetising
 2. is cross magnetising
 3. is wholly magnetising
 4. does not affect

Question ID : 7532297658
Status : Answered
Chosen Option : 1

Q.25 Which of the following is reduced by laminating the core of a transformer?

- Ans 1. Copper loss
 2. Mechanical loss
 3. Hysteresis loss
 4. Eddy current loss

Question ID : 7532297634
Status : Answered
Chosen Option : 4

Q.26 Maximum power transferred to the load is given by:

- Ans 1. $\frac{V^2}{4R_{th}}$
 2. $\frac{2V^2}{3R_{th}}$
 3. $\frac{V^2}{R_{th}}$
 4. $\frac{3V^2}{R_{th}}$

Question ID : 7532297624
Status : Answered
Chosen Option : 1

Q.27 Electrical energy is measured in:

- Ans 1. kWh
 2. W
 3. kVA
 4. kW

Question ID : 7532297621
Status : Answered
Chosen Option : 1

Q.28 A chopper is connected from a source terminal voltage of 220 V. The load voltage is a rectangular pulse of 1ms duration, over the total time period of 5ms. What will be the average value of the load voltage?

- Ans
- 1. 220 V
 - 2. 22 V
 - 3. 440 V
 - 4. 44 V

Question ID : 7532297666
Status : Answered
Chosen Option : 4

Q.29 In Boolean algebra $A.(B+C) = \underline{\hspace{2cm}}$.

- Ans
- 1. $A.B+C$
 - 2. $A+(B.C)$
 - 3. $A.B+A.C$
 - 4. $(A+B).(A+C)$

Question ID : 7532297646
Status : Answered
Chosen Option : 3

Q.30 Which of the following options represents the swing equation?

- Ans
- 1. $M \frac{d^2 \delta}{dt^2} = \text{shaft power}$
 - 2. $M \frac{d^2 \delta}{dt^2} = \text{electromagnetic power}$
 - 3. $M \frac{d^2 \delta}{dt^2} = - \text{accelerating power}$
 - 4. $M \frac{d^2 \delta}{dt^2} = \text{accelerating power}$

Question ID : 7532297670
Status : Answered
Chosen Option : 4

Q.31 Buchholz relay in a transformer is located in:

- Ans
- 1. the transformer tank
 - 2. the conservator tank
 - 3. the pipe between the transformer tank and conservator tank
 - 4. the drain valve

Question ID : 7532297637
Status : Answered
Chosen Option : 3

Q.32 Which of the following plants has the minimum running cost?

- Ans 1. Hydro power plant
 2. Steam power plant
 3. Nuclear power plant
 4. Diesel power plant

Question ID : 7532297650
Status : Answered
Chosen Option : 3

Q.33 Materials that store electrical energy are classified as:

- Ans 1. dielectric
 2. semiconductor
 3. insulating
 4. magnetic

Question ID : 7532297609
Status : Answered
Chosen Option : 1

Q.34 An oscillator needs an amplifier with:

- Ans 1. negative or positive feedback
 2. Only positive feedback
 3. LC tank circuit
 4. Only negative feedback

Question ID : 7532297618
Status : Answered
Chosen Option : 2

Q.35 Which of the following is classified as a symmetrical fault?

- Ans 1. Line to line fault
 2. Three phase fault
 3. Line to ground fault
 4. Double line to ground fault

Question ID : 7532297676
Status : Answered
Chosen Option : 2

Q.36 The secondary of a current transformer:

- Ans 1. can be kept open circuited
 2. is never left open circuited
 3. is never left short circuited
 4. can be kept open or short circuited

Question ID : 7532297680
Status : Answered
Chosen Option : 2

Q.37 Damper winding in an alternator is employed in order to:

- Ans 1. prevent hunting
 2. prevent armature reaction
 3. reduce eddy current losses
 4. reduce core losses

Question ID : 7532297661
Status : Answered
Chosen Option : 1

Q.38 Candela is the unit of:

- Ans 1. luminous intensity
 2. luminous flux
 3. frequency
 4. solid angle

Question ID : 7532297682
Status : Answered
Chosen Option : 1

Q.39 3 resistances, each of value R ohm, are connected in delta. The equivalent star will have each resistance of value:

- Ans 1. R/3 ohm
 2. R/√3 ohm
 3. R ohm
 4. 3R ohm

Question ID : 7532297623
Status : Answered
Chosen Option : 1

Q.40 The capacitor in a capacitor start induction motor is placed in:

- Ans 1. series with running winding
 2. series with starting winding
 3. series with either running or starting winding
 4. series with both running and starting winding

Question ID : 7532297659
Status : Answered
Chosen Option : 1

Q.41 A 4 pole 60 Hz synchronous motor runs at:

- Ans 1. 1800 rpm
 2. 3000 rpm
 3. 750 rpm
 4. 1500 rpm

Question ID : 7532297660
Status : Answered
Chosen Option : 1

Q.42 The root mean square value of an alternating current given by $i = 100\sin 314t$ is:

- Ans
- 1. 100
 - 2. 314
 - 3. $200/\pi$
 - 4. $100/\sqrt{2}$

Question ID : 7532297604
Status : Answered
Chosen Option : 4

Q.43 The forbidden energy gap for germanium is:

- Ans
- 1. 1.5 eV
 - 2. 0.72 eV
 - 3. 1.33 eV
 - 4. 1.1 eV

Question ID : 7532297617
Status : Answered
Chosen Option : 2

Q.44 In 4 hours, a 100W, 250 V bulb will consume:

- Ans
- 1. 25kWh
 - 2. 250Wh
 - 3. 400Wh
 - 4. 100Wh

Question ID : 7532297622
Status : Answered
Chosen Option : 3

Q.45 What is the unit of relative permeability μ_r of a material?

- Ans
- 1. Henry metre
 - 2. Henry/metre
 - 3. No unit
 - 4. Weber/metre

Question ID : 7532297610
Status : Answered
Chosen Option : 3

Q.46 Deflecting torque in case of a PMMC instrument is proportional to:

- Ans
- 1. I^3
 - 2. I
 - 3. I^2
 - 4. \sqrt{I}

Question ID : 7532297629
Status : Answered
Chosen Option : 2

Q.47 A single winding transformer is called:

- Ans
- 1. a distribution transformer
 - 2. a power transformer
 - 3. an auto transformer
 - 4. a welding transformer

Question ID : 7532297636
Status : Answered
Chosen Option : 3

Q.48 The maximum value of voltage unbalance which has been agreed between Indian Railways and supply authorities is:

- Ans
- 1. 4% voltage unbalance continuously
 - 2. 2% voltage unbalance continuously
 - 3. 5% voltage unbalance continuously
 - 4. 7% voltage unbalance continuously

Question ID : 7532297671
Status : Not Answered
Chosen Option : --

Q.49 _____ instruments directly show the instantaneous value of the electrical quantity at the time when it is being measured.

- Ans
- 1. Recording
 - 2. Absolute
 - 3. Integrating
 - 4. Indicating

Question ID : 7532297630
Status : Answered
Chosen Option : 4

Q.50 Which wiring system provides a long life to wiring?

- Ans 1. Conduit
 2. Cleat
 3. Metal sheathed
 4. Cab tyre sheath (CTS)/ Tough rubber sheath (TRS)

Question ID : 7532297611
Status : Not Answered
Chosen Option : --

Q.51 If a pure inductor is connected to an AC source, then the current lags the voltage by:

- Ans 1. 90 degrees
 2. zero degrees
 3. 45 degrees
 4. 180 degrees

Question ID : 7532297626
Status : Answered
Chosen Option : 1

Q.52 The time base signal in a CRO is:

- Ans 1. a square wave signal
 2. a sawtooth signal
 3. a triangular wave signal
 4. a sinusoidal signal

Question ID : 7532297681
Status : Answered
Chosen Option : 1

Q.53 A resistance of 3 ohms and a reactance of 4 ohms is connected in a circuit. The power factor of the circuit will be:

- Ans 1. 0.6
 2. 0.5
 3. 0.75
 4. 0.85

Question ID : 7532297614
Status : Answered
Chosen Option : 1

Q.54 The pitch factor of an alternator is given by:

- Ans 1. $\cos\alpha$
 2. $\sin\alpha/2$
 3. $\cos\alpha/2$
 4. $\tan\alpha$

Question ID : 7532297663
Status : Answered
Chosen Option : 3

Q.55 Capacitor switching can be done easily with:

- Ans
- 1. an oil circuit breaker
 - 2. a water circuit breaker
 - 3. an air circuit breaker
 - 4. a vacuum circuit breaker

Question ID : 7532297678
Status : Answered
Chosen Option : 4

Q.56 The instrument used to measure electric current is:

- Ans
- 1. a wattmeter
 - 2. a voltmeter
 - 3. an energymeter
 - 4. an ammeter

Question ID : 7532297669
Status : Answered
Chosen Option : 4

Q.57 The device that converts BCD to seven segment is called:

- Ans
- 1. a decoder
 - 2. a demultiplexer
 - 3. an encoder
 - 4. a multiplexer

Question ID : 7532297644
Status : Answered
Chosen Option : 1

Q.58 The range of an ammeter can be extended by using:

- Ans
- 1. a pointer
 - 2. a shunt
 - 3. a multiplier
 - 4. a control spring

Question ID : 7532297628
Status : Answered
Chosen Option : 2

Q.59 The susceptibility of a diamagnetic substance is:

- Ans
- 1. negative and small
 - 2. positive and small
 - 3. very large
 - 4. Zero

Question ID : 7532297608
Status : Answered
Chosen Option : 1

Q.60 A full adder adds:

- Ans
- 1. 4 bits
 - 2. 8 bits
 - 3. 3 bits
 - 4. 2 bits

Question ID : 7532297645
Status : Answered
Chosen Option : 3

Q.61 A 4 pole DC generator has 400 wave winding connected conductors. The flux per pole is 0.01Wb. If the generated voltage is 200 volts, then the speed of the generator will be:

- Ans
- 1. 750 rpm
 - 2. 150 rpm
 - 3. 1500 rpm
 - 4. 3000 rpm

Question ID : 7532297641
Status : Answered
Chosen Option : 3

Q.62 What is the main purpose of SF_6 gas in SF_6 CB?

- Ans
- 1. Providing lubrication
 - 2. Arc quenching
 - 3. Providing cooling
 - 4. Providing insulation

Question ID : 7532297675
Status : Answered
Chosen Option : 2

Q.63 The maximum demand on a plant is 100 kW. If the load factor is 0.4, then the total energy generated in a year is:

- Ans
- 1. 3504 kWh
 - 2. 8760 kWh
 - 3. 876000 kWh
 - 4. 350400 kWh

Question ID : 7532297652
Status : Answered
Chosen Option : 4

Q.64 _____ is an active transducer.

- Ans
- 1. Strain gauge
 - 2. LVDT
 - 3. Capacitor pressure gauge
 - 4. Thermocouple

Question ID : 7532297667
Status : Answered
Chosen Option : 4

Q.65 The direction of rotation of a DC motor is given by:

- Ans
- 1. Fleming's left-hand rule
 - 2. Faraday's law
 - 3. Fleming's right-hand rule
 - 4. Lenz's law

Question ID : 7532297639
Status : Answered
Chosen Option : 1

Q.66 The resistance of an earthing electrode should be:

- Ans
- 1. very low
 - 2. infinite
 - 3. 100k
 - 4. 1k

Question ID : 7532297632
Status : Answered
Chosen Option : 1

Q.67 Converters are required at each end of the transmission line for:

- Ans
- 1. HVAC transmission
 - 2. secondary AC transmission
 - 3. primary AC transmission
 - 4. HVDC transmission

Question ID : 7532297655
Status : Answered
Chosen Option : 4

Q.68 Short circuit test in a transformer is performed to find the:

- Ans
- 1. eddy current loss
 - 2. copper loss
 - 3. hysteresis loss
 - 4. iron loss

Question ID : 7532297635
Status : Answered
Chosen Option : 2

Q.69 With the increase of temperature, the resistance of metals will:

- Ans
- 1. decrease
 - 2. increase
 - 3. first decrease and then increase
 - 4. remain the same

Question ID : 7532297606
Status : Answered
Chosen Option : 2

Q.70 The resistance of an ammeter as compared to a voltmeter is:

- Ans
- 1. very low
 - 2. Equal
 - 3. very high
 - 4. Double

Question ID : 7532297631
Status : Answered
Chosen Option : 1

Q.71 The resonant frequency for a series R-L-C circuit is given by:

- Ans
- 1. $LC = \omega$
 - 2. $LC = 1/\omega^2$
 - 3. $LC = 1/\omega$
 - 4. $LC = \omega^2$

Question ID : 7532297605
Status : Answered
Chosen Option : 2

Q.72 The electrical circuit used to get smooth DC output from a rectified circuit is called:

- Ans
- 1. a transistor
 - 2. an amplifier
 - 3. a filter
 - 4. an oscillator

Question ID : 7532297616
Status : Answered
Chosen Option : 3

Q.73 The maximum load that can be connected in a power sub circuit as per IE rules is:

- Ans
- 1. 1500W
 - 2. 1000W
 - 3. 800W
 - 4. 3000W

Question ID : 7532297612
Status : Not Answered
Chosen Option : --

Q.74 Which of the following is a pentavalent impurity?

- Ans
- 1. Phosphorous
 - 2. Indium
 - 3. Aluminium
 - 4. Boron

Question ID : 7532297615
Status : Answered
Chosen Option : 1

Q.75 In an induction motor, when slip is 1, the rotor speed N is

- Ans
- 1. equal to the synchronous speed
 - 2. less than the synchronous speed
 - 3. equal to zero
 - 4. more than the synchronous speed

Question ID : 7532297657
Status : Answered
Chosen Option : 3

Q.76 The function of a transformer is to:

- Ans
- 1. increase or decrease power
 - 2. change the level of AC voltage
 - 3. change the frequency
 - 4. change the level of DC voltage

Question ID : 7532297633
Status : Answered
Chosen Option : 2

Q.77 Which of the following bridges is used to measure capacitance?

- Ans
- 1. Wein bridge
 - 2. Anderson bridge
 - 3. Schering bridge
 - 4. Maxwell bridge

Question ID : 7532297627
Status : Answered
Chosen Option : 3

Q.78 Merz price system is used for the protection of:

- Ans 1. alternators only
 2. transformers and transmission lines
 3. transformers and alternators
 4. transformers only

Question ID : 7532297674
Status : Not Answered
Chosen Option : --

Q.79 A Zener diode is generally used for:

- Ans 1. Oscillation
 2. Rectification
 3. Stabilization
 4. Amplification

Question ID : 7532297620
Status : Answered
Chosen Option : 3

Q.80 A 250 V lamp has a total flux of 3000 lumens.What will be its mean spherical candle power?

- Ans 1. 120
 2. 12
 3. 480
 4. 240

Question ID : 7532297683
Status : Not Answered
Chosen Option : --

