PSTCL
AE
Previous Year Paper
(OT Electrical)
13 Jan, 2026 Shift 1

PUNJAB STATE TRANSMISSION CORPORATION LIMITED

(Regd. Office: PSEB Head Office Building, The Mall, Patiala – 147001, Punjab, India)
Corporate Identity Number : U40109PB2010SGC033814

Participant ID	
Participant Name	
Test Center Name	
Test Date	13/01/2026
Test Time	9:00 AM - 11:00 AM
Subject	Assistant Engineer OT Electrical

Section : **Subject Knowledge**

Q.1 **The SI unit of reluctance is:**

Ans
✗ 1. Ω (ohm)
✗ 2. Wb/AT (weber per ampere-turn)
✓ 3. AT/Wb (ampere-turn per weber)
✗ 4. H (henry)

Question ID : **4410091290494**
Option 1 ID : **4410095093848**
Option 2 ID : **4410095093849**
Option 3 ID : **4410095093846**
Option 4 ID : **4410095093847**
Status : **Answered**
Chosen Option : **2**

Q.2 **The locus of current for varying excitation at constant load in a synchronous motor is called:**

Ans
✗ 1. Swing curve
✗ 2. Circle diagram
✗ 3. Stability curve
✓ 4. V-curve

Question ID : **4410091376234**
Option 1 ID : **4410095436498**
Option 2 ID : **4410095436497**
Option 3 ID : **4410095436499**
Option 4 ID : **4410095436496**
Status : **Answered**
Chosen Option : **4**

Q.3 **Which stage in a measurement system ensures compatibility between the transducer output and display system?**

Ans
✗ 1. Output stage
✗ 2. Transmission stage
✗ 3. Input stage
✓ 4. Signal conditioning stage

Question ID : **4410091376107**
Option 1 ID : **4410095435972**
Option 2 ID : **4410095435973**
Option 3 ID : **4410095435970**
Option 4 ID : **4410095435971**
Status : **Not Answered**
Chosen Option : **--**

Q.4 **Why are Alnico magnets commonly used in electrical machines like motors and generators?**

Ans
✗ 1. They have negligible hysteresis loss
✓ 2. They exhibit high residual magnetism
✗ 3. They are easily demagnetized
✗ 4. They are more economical than soft iron

Question ID : **4410091375867**
Option 1 ID : **4410095434908**
Option 2 ID : **4410095434905**
Option 3 ID : **4410095434906**
Option 4 ID : **4410095434907**
Status : **Answered**
Chosen Option : **2**

Q.5 **A series circuit of three resistors 10 Ω, 20 Ω and 30 Ω is connected to 120 V. The power dissipated in the 20 Ω resistor is:**

Ans
- ✗ 1. 40 W
- ✓ 2. 80 W
- ✗ 3. 160 W
- ✗ 4. 360 W

Question ID : **4410091290392**
Option 1 ID : **4410095093444**
Option 2 ID : **4410095093443**
Option 3 ID : **4410095093445**
Option 4 ID : **4410095093442**
Status : **Answered**
Chosen Option : **2**

Q.6 **When the load resistance connected across an ideal voltage source is reduced to half of its original value, what happens to the current delivered and the power dissipated in the load?**

Ans
- ✓ 1. Current doubles and power doubles
- ✗ 2. Current halves and power reduces to one-fourth
- ✗ 3. Current remains same and power doubles
- ✗ 4. Current doubles and power quadruples

Question ID : **4410091344494**
Option 1 ID : **4410095310676**
Option 2 ID : **4410095310679**
Option 3 ID : **4410095310678**
Option 4 ID : **4410095310677**
Status : **Answered**
Chosen Option : **3**

Q.7 **The equivalent circuit without core losses in an electrical machine like a transformer represents which physical condition?**

Ans
- ✗ 1. Open-circuit operation
- ✓ 2. Considering magnetizing reactance only
- ✗ 3. Neglecting copper losses
- ✗ 4. Ignoring leakage reactance

Question ID : **4410091376152**
Option 1 ID : **4410095436171**
Option 2 ID : **4410095436168**
Option 3 ID : **4410095436169**
Option 4 ID : **4410095436170**
Status : **Answered**
Chosen Option : **1**

Q.8 Which of the following expressions represents the fault current for a single line-to-ground fault with neutral grounding impedance (Z_n)?
(Z_0=Zero sequence impedance, Z_1=Positive sequence impedance, and Z_2=Negative sequence impedance.)

Ans

✗ 1. $I_f = \frac{V_{prefault}}{Z_1 + Z_2}$

✓ 2. $I_f = \frac{V_{prefault}}{Z_1 + Z_2 + Z_0 + 3Z_n}$

✗ 3. $I_f = \frac{3V_{prefault}}{Z_1 + Z_2 + 3Z_0}$

✗ 4. $I_f = \frac{3V_{prefault}}{Z_1 + Z_2 + Z_0}$

Question ID : **4410091383591**
Option 1 ID : **4410095465223**
Option 2 ID : **4410095465222**
Option 3 ID : **4410095465224**
Option 4 ID : **4410095465221**
Status : **Not Answered**
Chosen Option : **--**

Q.9 A capacitor of 10 μF is connected across a 200 V, 50 Hz inductive load to improve the power factor. The reactive power provided by the capacitor is approximately equal to:

Ans

✗ 1. 300 VAR

✓ 2. 125 VAR

✗ 3. 600 VAR

✗ 4. 250 VAR

Question ID : **4410091383580**
Option 1 ID : **4410095465182**
Option 2 ID : **4410095465181**
Option 3 ID : **4410095465184**
Option 4 ID : **4410095465183**
Status : **Not Answered**
Chosen Option : **--**

Q.10 The capacitance of a 3-core cable is measured between one conductor and the other two conductors, which are connected together with the sheath. The total measured capacitance is 2.5 μF. If the capacitance between each conductor and the sheath is 0.5 μF, then what is the capacitance between any two conductors?

Ans
✔ 1. 1.0 μF
✘ 2. 2.0 μF
✘ 3. 0.5 μF
✘ 4. 1.5 μF

Question ID : **4410091303507**
Option 1 ID : **4410095146006**
Option 2 ID : **4410095146005**
Option 3 ID : **4410095146007**
Option 4 ID : **4410095146008**
Status : **Not Answered**
Chosen Option : **--**

Q.11 Which of the following best describes the nature of work?

Ans
✘ 1. Work cannot be negative.
✘ 2. Work is same for conservative and non-conservative forces.
✘ 3. Work is independent of path.
✔ 4. Work has no direction but can be negative.

Question ID : **4410091287946**
Option 1 ID : **4410095083605**
Option 2 ID : **4410095083607**
Option 3 ID : **4410095083606**
Option 4 ID : **4410095083604**
Status : **Not Answered**
Chosen Option : **--**

Q.12 In a ferromagnetic material, after it has been magnetically saturated, the minimum reverse magnetizing force required to reduce the net magnetic flux density to zero is known as:

Ans
✘ 1. Permeability
✘ 2. Retentivity
✔ 3. Coercivity
✘ 4. Hysteresis

Question ID : **4410091321736**
Option 1 ID : **4410095218468**
Option 2 ID : **4410095218465**
Option 3 ID : **4410095218467**
Option 4 ID : **4410095218466**
Status : **Answered**
Chosen Option : **2**

Q.13 **In an AC transmission system, the skin effect causes:**

Ans ✔ 1. a reduction in the overall efficiency of the system due to increased resistance at higher frequencies

✘ 2. a reduction in the current-carrying capacity of the line due to skin effect

✘ 3. no effect on the performance of the transmission system as it is negligible in AC systems

✘ 4. an increase in the transmission line voltage drop due to skin effect losses

Question ID : **44100949665**
Option 1 ID : **441009197925**
Option 2 ID : **441009197927**
Option 3 ID : **441009197928**
Option 4 ID : **441009197926**
Status : **Answered**
Chosen Option : **4**

Q.14 **The coolant in a Boiling Water Reactor (BWR) directly:**

Ans ✘ 1. moderates neutrons and absorbs them

✘ 2. transfers heat to the molten salt loop

✔ 3. turns into steam to drive the turbine

✘ 4. transfers heat to the secondary loop

Question ID : **4410091303504**
Option 1 ID : **4410095145995**
Option 2 ID : **4410095145996**
Option 3 ID : **4410095145994**
Option 4 ID : **4410095145993**
Status : **Answered**
Chosen Option : **2**

Q.15 **Which of the following is a distinguishing feature of recording instruments compared to indicating instruments?**

Ans ✘ 1. Lower power consumption

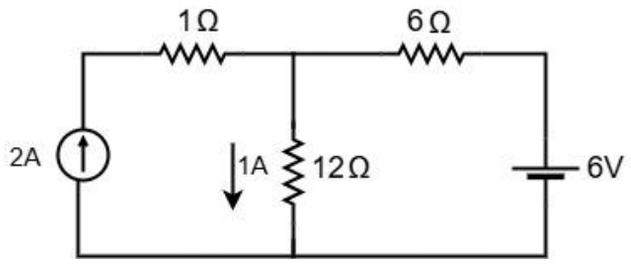
✔ 2. Provision of a paper chart mechanism

✘ 3. Higher sensitivity

✘ 4. Use of permanent magnets

Question ID : **4410091298556**
Option 1 ID : **4410095126649**
Option 2 ID : **4410095126648**
Option 3 ID : **4410095126646**
Option 4 ID : **4410095126647**
Status : **Answered**
Chosen Option : **3**

Q.16 What is voltage across 2A current source in the given circuit?



Ans
✗ 1. 28 Volt
✓ 2. 14 Volt
✗ 3. 6 Volt
✗ 4. 7 Volt

Question ID : **4410091380935**
Option 1 ID : **4410095454938**
Option 2 ID : **4410095454936**
Option 3 ID : **4410095454935**
Option 4 ID : **4410095454937**
Status : **Answered**
Chosen Option : **2**

Q.17 Where does magnetic fringing primarily occur in a magnetic circuit?

Ans
✗ 1. Within the coil windings where current flows
✓ 2. At the interface between the magnetic core and an air gap
✗ 3. Throughout the magnetic circuit uniformly, regardless of material
✗ 4. Inside the bulk of the ferromagnetic core, away from the air gap

Question ID : **4410091321990**
Option 1 ID : **4410095219488**
Option 2 ID : **4410095219489**
Option 3 ID : **4410095219490**
Option 4 ID : **4410095219487**
Status : **Answered**
Chosen Option : **2**

Q.18 For a DC drive using a single-phase fully controlled rectifier, the output voltage waveform contains significant ripple. This ripple is primarily smoothed by:

Ans

✗ 1. The high inductance of the motor's field winding.

✓ 2. The high inductance of the motor's armature circuit.

✗ 3. The large inertia of the motor and load.

✗ 4. A large capacitor placed across the armature terminals.

Question ID : **4410091332278**
Option 1 ID : **4410095260688**
Option 2 ID : **4410095260690**
Option 3 ID : **4410095260689**
Option 4 ID : **4410095260691**
Status : **Answered**
Chosen Option : **4**

Q.19 A 40 μF pure capacitor is connected across a 250 V, 50 Hz AC supply. What is the RMS value of the current flowing through the capacitor?

Ans

✗ 1. $\frac{1}{\pi}$ A

✗ 2. $\sqrt{\pi}$ A

✓ 3. π A

✗ 4. $\frac{1}{\sqrt{\pi}}$ A

Question ID : **441009293846**
Option 1 ID : **4410091142247**
Option 2 ID : **4410091142249**
Option 3 ID : **4410091142246**
Option 4 ID : **4410091142248**
Status : **Answered**
Chosen Option : **3**

Q.20 A parallel circuit consists of three resistors $R_1 = 4\Omega$, $R_2 = 6\Omega$ and $R_3 = 12\Omega$ connected across a constant voltage source. If the resistor R_2 is suddenly removed from the circuit, which of the following statements will be correct?

Ans

✓ 1. The total resistance increases, and the total current drawn from the source decreases.

✗ 2. Both the total resistance and total current remain unchanged.

✗ 3. The total resistance remains the same, but the total current decreases.

✗ 4. The total resistance decreases, and the total current drawn from the source increases.

Question ID : **4410091344573**
Option 1 ID : **4410095310988**
Option 2 ID : **4410095310991**
Option 3 ID : **4410095310990**
Option 4 ID : **4410095310989**
Status : **Answered**
Chosen Option : **4**

Q.21 The eddy current loss in a transformer at 50 Hz is 200 W. At 100 Hz, with the same flux density, the loss will be:

Ans
✗ 1. 200 W
✗ 2. 400 W
✓ 3. 800 W
✗ 4. 100 W

Question ID : **4410091298805**
Option 1 ID : **4410095127797**
Option 2 ID : **4410095127798**
Option 3 ID : **4410095127799**
Option 4 ID : **4410095127800**
Status : **Answered**
Chosen Option : **3**

Q.22 A linear electrical circuit contains 'B' branches and 'N' nodes. What will be the number of mesh equations?

Ans
✗ 1. B-N-1
✗ 2. N-B+1
✓ 3. B-N+1
✗ 4. B+N+1

Question ID : **4410091381752**
Option 1 ID : **4410095458221**
Option 2 ID : **4410095458220**
Option 3 ID : **4410095458223**
Option 4 ID : **4410095458222**
Status : **Answered**
Chosen Option : **3**

Q.23 When multiple three-phase alternators are running in parallel, a leading power factor machine will:

Ans
✗ 1. Absorb leading reactive power
✗ 2. Supply lagging reactive power
✓ 3. Absorb lagging reactive power
✗ 4. Absorb active power

Question ID : **4410091376223**
Option 1 ID : **4410095436454**
Option 2 ID : **4410095436452**
Option 3 ID : **4410095436453**
Option 4 ID : **4410095436455**
Status : **Answered**
Chosen Option : **3**

Q.24 **Which of the following quantities affects the phase angle error in a Potential Transformer (PT)?**

Ans
✗ 1. Core losses
✗ 2. Copper losses
✓ 3. Magnetising current
✗ 4. Temperature drift

Question ID : **4410091298612**
Option 1 ID : **4410095126903**
Option 2 ID : **4410095126902**
Option 3 ID : **4410095126904**
Option 4 ID : **4410095126905**
Status : **Answered**
Chosen Option : **3**

Q.25 **In a separately excited DC generator, if the field current is increased, then the induced EMF at no load will:**

Ans
✗ 1. Remain unchanged
✓ 2. Increase
✗ 3. Become zero
✗ 4. Decrease

Question ID : **4410091298733**
Option 1 ID : **4410095127462**
Option 2 ID : **4410095127463**
Option 3 ID : **4410095127465**
Option 4 ID : **4410095127464**
Status : **Not Answered**
Chosen Option : **--**

Q.26 **Which of the following statements is true regarding why a CRO cannot directly measure current?**

Ans
✗ 1. CRO requires a special 'current mode' to measure current.
✓ 2. CRO is designed to measure voltage, not current.
✗ 3. CRO can measure current directly without any additional components.
✗ 4. CRO has a built-in ammeter for direct current measurement.

Question ID : **441009117290**
Option 1 ID : **441009466287**
Option 2 ID : **441009466286**
Option 3 ID : **441009466289**
Option 4 ID : **441009466288**
Status : **Answered**
Chosen Option : **2**

Q.27 The relation of direct-axis reactance (Xd) of a salient pole alternator with respect to quadrature-axis reactance (Xq) is that:

Ans
✗ 1. Xd is less than Xq
✗ 2. Xd is independent of Xq
✓ 3. Xd is greater than Xq
✗ 4. Xd equals to Xq

Question ID : **4410091376203**
Option 1 ID : **4410095436372**
Option 2 ID : **4410095436375**
Option 3 ID : **4410095436374**
Option 4 ID : **4410095436373**
Status : **Answered**
Chosen Option : **4**

Q.28 Which fundamental law governs the phenomenon of self-induced electromotive force in an inductor due to changing current?

Ans
✗ 1. Gauss's Law
✗ 2. Ohm's Law
✓ 3. Faraday's Law
✗ 4. Coulomb's Law

Question ID : **4410091375834**
Option 1 ID : **4410095434780**
Option 2 ID : **4410095434777**
Option 3 ID : **4410095434778**
Option 4 ID : **4410095434779**
Status : **Answered**
Chosen Option : **3**

Q.29 Which of the following is NOT a constructional feature of a ramp type digital voltmeter?

Ans
✗ 1. Gate
✗ 2. Ground comparator
✓ 3. Voltage to frequency converter
✗ 4. Ramp generator

Question ID : **4410091182075**
Option 1 ID : **4410094662400**
Option 2 ID : **4410094662399**
Option 3 ID : **4410094662397**
Option 4 ID : **4410094662398**
Status : **Not Answered**
Chosen Option : **--**

Q.30 In electrical machines, starting resistors are inserted in rotor circuits of slip-ring induction motors to:

Ans
✗ 1. Improve efficiency at no load
✓ 2. Reduce starting current
✗ 3. Increase synchronous speed
✗ 4. Reduce iron losses

Question ID : **4410091375798**
Option 1 ID : **4410095434628**
Option 2 ID : **4410095434626**
Option 3 ID : **4410095434625**
Option 4 ID : **4410095434627**
Status : **Answered**
Chosen Option : **3**

Q.31 A significant limitation of the Carbon Arc Welding process is:

Ans
✗ 1. The high cost of the carbon electrodes.
✗ 2. The requirement for very high electrical voltage.
✓ 3. Carbon absorption into the weld metal, which can make the weld hard and brittle.
✗ 4. Its inability to weld ferrous metals.

Question ID : **4410091332032**
Option 1 ID : **4410095259701**
Option 2 ID : **4410095259703**
Option 3 ID : **4410095259702**
Option 4 ID : **4410095259700**
Status : **Not Answered**
Chosen Option : **--**

Q.32 A coil of 200 turns links a magnetic flux that changes from 0.05 Wb to 0.01 Wb in 20 milli seconds. What is the average induced electromotive force in the coil?

Ans
✗ 1. 200 V
✗ 2. 20 V
✗ 3. 40 V
✓ 4. 400 V

Question ID : **4410091374076**
Option 1 ID : **4410095427731**
Option 2 ID : **4410095427729**
Option 3 ID : **4410095427730**
Option 4 ID : **4410095427732**
Status : **Answered**
Chosen Option : **3**

Q.33 **Compared to a synchronous motor, the key advantage of a 3-phase induction motor is that it is self-starting. What is the fundamental electrical reason for this?**

Ans
✗ 1. The induction motor has a higher power density.

✗ 2. The induction motor operates at a lagging power factor, providing VARs to the system.

✗ 3. The induction motor does not require a DC excitation source.

✓ 4. The rotating magnetic field induces currents in the rotor, creating torque at all speeds except synchronous.

Question ID : **4410091327987**
Option 1 ID : **4410095243474**
Option 2 ID : **4410095243475**
Option 3 ID : **4410095243472**
Option 4 ID : **4410095243473**
Status : **Answered**
Chosen Option : **3**

Q.34 **Which of the following is NOT a major loss component in a long transmission line?**

Ans
✗ 1. Corona loss

✗ 2. I^2R loss

✓ 3. Stray magnetic loss

✗ 4. Dielectric loss

Question ID : **44100955591**
Option 1 ID : **441009221324**
Option 2 ID : **441009221326**
Option 3 ID : **441009221327**
Option 4 ID : **441009221325**
Status : **Answered**
Chosen Option : **3**

Q.35 **In DC welding machines, the output is characterize by which of the following factors?**

Ans
✗ 1. Constant voltage

✗ 2. Constant power

✗ 3. Variable frequency

✓ 4. Constant current

Question ID : **4410091383615**
Option 1 ID : **4410095465326**
Option 2 ID : **4410095465328**
Option 3 ID : **4410095465327**
Option 4 ID : **4410095465325**
Status : **Answered**
Chosen Option : **4**

Q.36 What does Kirchhoff's Current Law state?

Ans
✗ 1. The sum of all resistances in a network is zero.
✗ 2. The sum of all voltages in a network is zero.
✗ 3. The current in a circuit is always constant.
✓ 4. The algebraic sum of currents meeting at a point is zero.

Question ID : **44100956537**
Option 1 ID : **441009225034**
Option 2 ID : **441009225031**
Option 3 ID : **441009225033**
Option 4 ID : **441009225032**
Status : **Answered**
Chosen Option : **4**

Q.37 The overvoltage protection device used in low-voltage systems is a _____.

Ans
✗ 1. differential relay
✗ 2. static VAR compensator
✗ 3. high-speed circuit breaker
✓ 4. metal oxide varistor (MOV)

Question ID : **44100955859**
Option 1 ID : **441009222390**
Option 2 ID : **441009222391**
Option 3 ID : **441009222388**
Option 4 ID : **441009222389**
Status : **Answered**
Chosen Option : **1**

Q.38 The fundamental principle of resistance welding involves joining metals by:

Ans
✗ 1. Applying high pressure without any heat generation.
✗ 2. Melting a filler material between the workpieces.
✗ 3. Applying a high-frequency sound wave.
✓ 4. Generating heat through resistance to the flow of electric current.

Question ID : **4410091332000**
Option 1 ID : **4410095259583**
Option 2 ID : **4410095259581**
Option 3 ID : **4410095259580**
Option 4 ID : **4410095259582**
Status : **Answered**
Chosen Option : **2**

Q.39 What is incremental transmission loss of a power plant if its penalty factor is unity?

Ans
✗ 1. -1
✓ 2. Zero
✗ 3. 1
✗ 4. Infinite

Question ID : **4410091383584**
Option 1 ID : **4410095465199**
Option 2 ID : **4410095465197**
Option 3 ID : **4410095465198**
Option 4 ID : **4410095465200**
Status : **Not Answered**
Chosen Option : **--**

Q.40 In a parallel RLC circuit, the inductor has resistance 'r' in series with inductance 'L'. If the supply frequency is ω = 2πf (rad/s) and the capacitor has capacitance C (in farads), then the condition for resonance is:

Ans
✗ 1. $wL = \frac{1}{wC}$
✗ 2. $wL = \frac{r}{C}$
✗ 3. $wL = \frac{1}{wC} + r$
✓ 4. $\frac{1}{wC} = wL + \frac{r^2}{wL}$

Question ID : **4410091302561**
Option 1 ID : **4410095142192**
Option 2 ID : **4410095142194**
Option 3 ID : **4410095142195**
Option 4 ID : **4410095142193**
Status : **Answered**
Chosen Option : **1**

Q.41 Which of the following statements regarding the performance of a long transmission line is FALSE?

Ans
✗ 1. The effect of line parameters (resistance, inductance, and capacitance) is distributed uniformly along the line.
✓ 2. The sending-end voltage and current are independent of the receiving-end conditions.
✗ 3. The characteristic impedance of a lossless long line is given by $\sqrt{L/C}$.
✗ 4. The voltage and current at any point on the line are determined by the hyperbolic functions of the line's parameters and distance.

Question ID : **4410091334632**
Option 1 ID : **4410095270199**
Option 2 ID : **4410095270202**
Option 3 ID : **4410095270201**
Option 4 ID : **4410095270200**
Status : **Not Answered**
Chosen Option : **--**

Q.42 The number of slip rings required for a 3-phase Synchronous Generator with a rotating field is:

Ans
✗ 1. 0
✗ 2. 1
✗ 3. 3
✓ 4. 2

Question ID : **4410091298887**
Option 1 ID : **4410095128125**
Option 2 ID : **4410095128126**
Option 3 ID : **4410095128128**
Option 4 ID : **4410095128127**
Status : **Answered**
Chosen Option : **2**

Q.43 Which of the following types of electrical power generation is most efficient for meeting peak load demand?

Ans
✓ 1. Gas turbine power plants
✗ 2. Coal-fired thermal power plants
✗ 3. Hydroelectric power plants
✗ 4. Nuclear power plants

Question ID : **44100948600**
Option 1 ID : **441009193714**
Option 2 ID : **441009193715**
Option 3 ID : **441009193713**
Option 4 ID : **441009193712**
Status : **Answered**
Chosen Option : **3**

Q.44 In a $_3$-core cable, the capacitances C_1, C_2 and C_3 are measured using specific test setups. How are these capacitances typically measured?

Ans
✓ 1. Between one core and the combination of the other two cores, with the sheath connected together
✗ 2. Only between the three cores, with the sheath left unconnected (floating)
✗ 3. Between each individual core and the sheath, with the other two cores left open
✗ 4. Between the sheath and earth (ground) only

Question ID : **4410091186668**
Option 1 ID : **4410094680855**
Option 2 ID : **4410094680856**
Option 3 ID : **4410094680854**
Option 4 ID : **4410094680857**
Status : **Not Answered**
Chosen Option : **--**

Q.45 The no-load current in a transformer consists of two components, namely:

Ans
✔ 1. magnetising current and core loss current
✘ 2. hysteresis current and eddy current
✘ 3. core loss current and leakage current
✘ 4. magnetising current and copper loss current

Question ID : **441009119697**
Option 1 ID : **441009475908**
Option 2 ID : **441009475910**
Option 3 ID : **441009475909**
Option 4 ID : **441009475907**
Status : **Answered**
Chosen Option : **4**

Q.46 Which of the following losses in an alternator is considered a constant loss?

Ans
✘ 1. Brush contact loss
✘ 2. Stray load loss
✘ 3. Copper loss
✔ 4. Core loss

Question ID : **44100955990**
Option 1 ID : **441009222887**
Option 2 ID : **441009222886**
Option 3 ID : **441009222884**
Option 4 ID : **441009222885**
Status : **Answered**
Chosen Option : **4**

Q.47 The selectivity of a parallel resonant circuit depends on which of the following parameters?

Ans
✘ 1. Inductor only
✘ 2. Capacitor only
✔ 3. Quality factor
✘ 4. Resistance only

Question ID : **4410091383581**
Option 1 ID : **4410095465185**
Option 2 ID : **4410095465186**
Option 3 ID : **4410095465187**
Option 4 ID : **4410095465188**
Status : **Not Answered**
Chosen Option : **--**

Q.48 The natural response of an RL circuit with initial current I_0 is:

Ans
✗ 1. $i(t) = I_0 e^{-\frac{t}{RL}}$
✓ 2. $i(t) = I_0 e^{-\frac{R}{L}t}$
✗ 3. $i(t) = I_0 e^{-\frac{L}{R}t}$
✗ 4. $i(t) = I_0 e^{-\frac{1}{t}}$

Question ID : **4410091302717**
Option 1 ID : **4410095142814**
Option 2 ID : **4410095142815**
Option 3 ID : **4410095142816**
Option 4 ID : **4410095142817**
Status : **Not Answered**
Chosen Option : **--**

Q.49 In designing parallel magnetic circuits, adding a small gap to one branch:

Ans
✗ 1. Short-circuits the circuit
✗ 2. Increases the flux there
✓ 3. Reduces the flux through that branch and redistributes to others
✗ 4. Equally increases the flux everywhere

Question ID : **4410091290514**
Option 1 ID : **4410095093929**
Option 2 ID : **4410095093927**
Option 3 ID : **4410095093926**
Option 4 ID : **4410095093928**
Status : **Answered**
Chosen Option : **3**

Q.50 Which of the following appliances operates on the principle of indirect resistance heating?

Ans
✗ 1. A resistance welding machine.
✗ 2. An electrode boiler.
✓ 3. An electric kettle or room heater.
✗ 4. An electric arc furnace.

Question ID : **4410091332062**
Option 1 ID : **4410095259817**
Option 2 ID : **4410095259819**
Option 3 ID : **4410095259818**
Option 4 ID : **4410095259816**
Status : **Answered**
Chosen Option : **3**

Section : **Punjabi Language Knowledge**

Q.1 Television ਨੂੰ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਵਿਚ ਕੀ ਉਚਾਰਿਆ ਜਾਂਦਾ ਹੈ?

Ans
✗ 1. ਮਨੋਰੰਜਨ ਡੱਬਾ
✓ 2. ਟੈਲੀਵਿਜ਼ਨ
✗ 3. ਸੰਚਾਰ ਸਾਧਨ
✗ 4. ਤਸਵੀਰਾਂ ਦਿਖਾਉਣ ਵਾਲਾ

Question ID : **4410091621596**
Option 1 ID : **4410096405187**
Option 2 ID : **4410096405188**
Option 3 ID : **4410096405190**
Option 4 ID : **4410096405189**
Status : **Answered**
Chosen Option : **2**

Q.2 79 ਦਾ ਸਹੀ ਪੰਜਾਬੀ ਰੂਪ ਲਿਖੋ।

Ans
✗ 1. ਉਣਾਨਵੇਂ
✓ 2. ਉਣਾਸੀ
✗ 3. ਨਜ਼ਿਨਵੇਂ
✗ 4. ਉਣੱਤਰ

Question ID : **4410091444450**
Option 1 ID : **4410095706423**
Option 2 ID : **4410095706424**
Option 3 ID : **4410095706421**
Option 4 ID : **4410095706422**
Status : **Answered**
Chosen Option : **2**

Q.3 ਜਰਗ ਦਾ ਮੇਲਾ ਕਿਸ ਨਾਲ ਸੰਬੰਧਿਤ ਹੈ :-

Ans
✗ 1. ਸਾਂਝੀ ਮਾਤਾ ਨਾਲ
✗ 2. ਹੈਦਰ ਸ਼ੇਖ ਨਾਲ
✓ 3. ਸੀਤਲਾ ਮਾਤਾ ਨਾਲ
✗ 4. ਲਾਲਾਂ ਵਾਲੇ ਪੀਰ ਨਾਲ

Question ID : **4410091377837**
Option 1 ID : **4410095442917**
Option 2 ID : **4410095442916**
Option 3 ID : **4410095442914**
Option 4 ID : **4410095442915**
Status : **Answered**
Chosen Option : **3**

Q.4 ਸੰਮੀ ਲੋਕ-ਨਾਚ ਦਾ ਸੰਬੰਧ ਕਿਸ ਨਾਲ ਹੈ?

Ans
✔ 1. ਇਸਤਰੀਆਂ ਨਾਲ
✘ 2. ਜਵਾਨ ਮਰਦਾਂ ਨਾਲ
✘ 3. ਬੱਚਿਆਂ ਨਾਲ
✘ 4. ਮਰਦਾਂ ਨਾਲ

Question ID : **4410091622641**
Option 1 ID : **4410096409341**
Option 2 ID : **4410096409343**
Option 3 ID : **4410096409342**
Option 4 ID : **4410096409340**
Status : **Not Answered**
Chosen Option : **--**

Q.5 ਇਹ, ਉਹ, ਉਨ੍ਹਾਂ ਸ਼ਬਦ ਕਿਹੜੇ ਕਿਸਮ ਦੇ ਵਿਸ਼ੇਸ਼ਣ ਹਨ?

Ans
✘ 1. ਸੰਖਿਆਵਾਚਕ
✘ 2. ਪਰਿਮਾਣਵਾਚਕ
✘ 3. ਅਨਿਸਚੇਵਾਚਕ
✔ 4. ਨਿਸਚੇਵਾਚਕ

Question ID : **4410091617379**
Option 1 ID : **4410096388418**
Option 2 ID : **4410096388415**
Option 3 ID : **4410096388417**
Option 4 ID : **4410096388416**
Status : **Answered**
Chosen Option : **3**

Q.6 ਹੇਠ ਦਿੱਤੇ ਵਾਕਾਂ ਵਿੱਚੋਂ ਸ਼ੁੱਧ ਵਾਕ ਦੀ ਚੋਣ ਕਰੋ।

Ans
✔ 1. ਬੱਸ ਵਿੱਚ ਪੰਜਾਹ ਸਵਾਰੀਆਂ ਹਨ।
✘ 2. ਵੱਸ ਵਿੱਚ ਪੰਜਾਹ ਸਵਾਰੀ ਹਨ।
✘ 3. ਬੱਸ ਵਿੱਚ ਪੰਹਜ ਸਵਾਰੀਆਂ ਹਨ।
✘ 4. ਬੱਸ ਵਿੱਚ ਪੰਜਾਹ ਸਵਰੀਆਂ ਹਨ।

Question ID : **4410091574055**
Option 1 ID : **4410096216977**
Option 2 ID : **4410096216979**
Option 3 ID : **4410096216976**
Option 4 ID : **4410096216978**
Status : **Answered**
Chosen Option : **1**

Q.7 'ਆਪਣਾ' ਸ਼ਬਦ ਦਾ ਵਿਰੋਧੀ ਸ਼ਬਦ ਕਿਹੜਾ ਹੈ ?

Ans
✗ 1. ਸਾਡਾ
✓ 2. ਪਰਾਇਆ
✗ 3. ਅਸੀਂ
✗ 4. ਮੇਰਾ

Question ID : **4410091385551**
Option 1 ID : **4410095472922**
Option 2 ID : **4410095472921**
Option 3 ID : **4410095472923**
Option 4 ID : **4410095472920**
Status : **Answered**
Chosen Option : **2**

Q.8 'ਪਰਤੰਤਰ' ਸ਼ਬਦ ਵਿਚ ਕਿਸ ਅਗੇਤਰ ਨੂੰ ਵਰਤਿਆ ਗਿਆ ਹੈ:

Ans
✗ 1. ਪਰਤੰ
✗ 2. ਪ
✓ 3. ਪਰ
✗ 4. ਪਰਤ

Question ID : **4410091583431**
Option 1 ID : **4410096255055**
Option 2 ID : **4410096255053**
Option 3 ID : **4410096255052**
Option 4 ID : **4410096255054**
Status : **Answered**
Chosen Option : **3**

Q.9 ਚੌਮੁਖੀਆ ਸ਼ਬਦ ਵਿਚ ਅਗੇਤਰ ਦੀ ਚੋਣ ਕਰੋ।

Ans
✗ 1. ਚਓਮੁ
✓ 2. ਚੌ
✗ 3. ਚੌਮੁ
✗ 4. ਚਮੁ

Question ID : **4410091621733**
Option 1 ID : **4410096405738**
Option 2 ID : **4410096405736**
Option 3 ID : **4410096405737**
Option 4 ID : **4410096405739**
Status : **Answered**
Chosen Option : **2**

Q.10 ਸੱਜਰਾ ਦਾ ਵਿਰੋਧੀ ਸ਼ਬਦ ਪਛਾਣੋ।

Ans
✗ 1. ਕਾਹਲਾ
✗ 2. ਨਿੱਝਕ
✓ 3. ਬੇਹਾ
✗ 4. ਹੋਛਾ

Question ID : **4410091581348**
Option 1 ID : **4410096246621**
Option 2 ID : **4410096246620**
Option 3 ID : **4410096246619**
Option 4 ID : **4410096246622**
Status : **Answered**
Chosen Option : **1**

Q.11 ਬਚਿੱਤਰ ਨਾਟਕ ਕਿਸ ਗੁਰੂ ਸਾਹਿਬ ਦੀ ਰਚਨਾ ਹੈ?

Ans
✗ 1. ਗੁਰੂ ਅਮਰਦਾਸ ਜੀ
✗ 2. ਗੁਰੂ ਅਰਜਨ ਦੇਵ ਜੀ
✓ 3. ਗੁਰੂ ਗੋਬਿੰਦ ਸਿੰਘ ਜੀ
✗ 4. ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ ਜੀ

Question ID : **4410091618139**
Option 1 ID : **4410096391427**
Option 2 ID : **4410096391430**
Option 3 ID : **4410096391429**
Option 4 ID : **4410096391428**
Status : **Answered**
Chosen Option : **3**

Q.12 SUNDAY ਨੂੰ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਵਿਚ ਕਿਵੇਂ ਲਿਖਿਆ ਜਾਵੇਗਾ?

Ans
✓ 1. ਐਤਵਾਰ
✗ 2. ਅਤਵਾਰ
✗ 3. ਅਇਤਵਾਰ
✗ 4. ਐਤਬਾਰ

Question ID : **4410091590342**
Option 1 ID : **4410096281837**
Option 2 ID : **4410096281835**
Option 3 ID : **4410096281838**
Option 4 ID : **4410096281836**
Status : **Answered**
Chosen Option : **1**

Q.13 ‘੭੬’ ਅੰਕ ਨੂੰ ਅੱਖਰਾਂ ਵਿੱਚ ਕਿਸ ਤਰ੍ਹਾਂ ਲਿਖਿਆ ਜਾਂਦਾ ਹੈ?

Ans
✔ 1. ਛਿਹੱਤਰ
✘ 2. ਛਿਆਲੀ
✘ 3. ਛਿਆਠ
✘ 4. ਛਿਆਸੀ

Question ID : **4410091482184**
Option 1 ID : **4410095855713**
Option 2 ID : **4410095855714**
Option 3 ID : **4410095855711**
Option 4 ID : **4410095855712**
Status : **Answered**
Chosen Option : **1**

Q.14 ਠੀਕ ਵਿਸ਼ਰਾਮ ਚਿੰਨ੍ਹ ਵਾਲਾ ਵਾਕ ਚੁਣੋ।

Ans
✘ 1. ਕੁੜੀਓ ਪੜ੍ਹੋ! ਨਾ ਖੇਡੋ?
✘ 2. ਕੁੜੀਓ। ਪੜ੍ਹੋ ਨਾ ਖੇਡੋ?
✘ 3. ਕੁੜੀਓ? ਪੜ੍ਹੋ, ਨਾ ਖੇਡੋ।
✔ 4. ਕੁੜੀਓ! ਪੜ੍ਹੋ, ਨਾ ਖੇਡੋ।

Question ID : **4410091619560**
Option 1 ID : **4410096397098**
Option 2 ID : **4410096397099**
Option 3 ID : **4410096397097**
Option 4 ID : **4410096397096**
Status : **Answered**
Chosen Option : **4**

Q.15 ਹੇਠ ਲਿਖੇ ਦਿਨਾਂ ਦੇ ਨਾਂ ਵਿੱਚੋਂ ਸ਼ੁੱਧ ਰੂਪ ਚੁਣੋ।

Ans
✘ 1. ਮੰਗਲਵਾਰ
✔ 2. ਵੀਰਵਾਰ
✘ 3. ਸ਼ਨਿਵਾਰ
✘ 4. ਗੁਰੁਵਰ

Question ID : **4410091482158**
Option 1 ID : **4410095855613**
Option 2 ID : **4410095855611**
Option 3 ID : **4410095855614**
Option 4 ID : **4410095855612**
Status : **Answered**
Chosen Option : **2**

Q.16 ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਵਿੱਚ ਦੁੱਤ ਅੱਖਰਾਂ ਦੀ ਗਿਣਤੀ ਹੈ?

Ans
✗ 1. ਦੋ
✗ 2. ਚਾਰ
✗ 3. ਪੰਜ
✓ 4. ਤਿੰਨ

Question ID : **4410091577976**
Option 1 ID : **4410096232961**
Option 2 ID : **4410096232958**
Option 3 ID : **4410096232959**
Option 4 ID : **4410096232960**
Status : **Answered**
Chosen Option : **4**

Q.17 ਗੁਰੂ ਅਰਜਨ ਦੇਵ ਜੀ ਨੂੰ ਸ਼ਹੀਦ ਕਰਨ ਦਾ ਹੁਕਮ ਕਿਹੜੇ ਮੁਗਲ ਸਾਸ਼ਕ ਨੇ ਦਿੱਤਾ ਸੀ?

Ans
✗ 1. ਬਾਬਰ
✗ 2. ਔਰੰਗਜ਼ੇਬ
✓ 3. ਜਹਾਂਗੀਰ
✗ 4. ਅਕਬਰ

Question ID : **4410091423045**
Option 1 ID : **4410095621036**
Option 2 ID : **4410095621035**
Option 3 ID : **4410095621037**
Option 4 ID : **4410095621038**
Status : **Answered**
Chosen Option : **3**

Q.18 "ਖਰੀਦਣਾ" ਦਾ ਵਿਪਰੀਤਾਰਥਕ ਸ਼ਬਦ ਹੈ:-

Ans
✗ 1. ਬਜ਼ਾਰੀ
✗ 2. ਹੂਰਤ
✓ 3. ਵੇਚਣਾ
✗ 4. ਖਰਚੂ

Question ID : **4410091578826**
Option 1 ID : **4410096236403**
Option 2 ID : **4410096236405**
Option 3 ID : **4410096236406**
Option 4 ID : **4410096236404**
Status : **Answered**
Chosen Option : **3**

Q.19 ਸਹਿਪਾਠੀ ਸ਼ਬਦ ਵਿਚ ਅਗੇਤਰ ਦੀ ਪਛਾਣ ਕਰੋ।

Ans
✗ 1. ਸ
✗ 2. ਸਹਿਪ
✗ 3. ਸਇ
✓ 4. ਸਹਿ

Question ID : **4410091617473**
Option 1 ID : **4410096388791**
Option 2 ID : **4410096388794**
Option 3 ID : **4410096388792**
Option 4 ID : **4410096388793**
Status : **Answered**
Chosen Option : **4**

Q.20 ਸ਼ੀਰੀਂ ਦਾ ਸਮਾਨਾਰਥਕ ਸ਼ਬਦ ਚੁਣੋ।

Ans
✗ 1. ਗ਼ਲਤੀ
✗ 2. ਮਜ਼ਦੂਰ
✗ 3. ਮਲੀਆਮੇਟ
✓ 4. ਮਧੁਰ

Question ID : **4410091617172**
Option 1 ID : **4410096387593**
Option 2 ID : **4410096387592**
Option 3 ID : **4410096387594**
Option 4 ID : **4410096387591**
Status : **Answered**
Chosen Option : **2**

Section : **General Knowledge And Awareness**

Q.1 One of the most significant rivers of the Indian desert, the Luni (Loni) originates from the western slopes of the Aravalli ranges near which place and flows in the southwest direction?

Ans
✓ 1. Ajmer
✗ 2. Phalodi
✗ 3. Jaisalmer
✗ 4. Bikaner

Question ID : **441009323435**
Option 1 ID : **4410091259918**
Option 2 ID : **4410091259921**
Option 3 ID : **4410091259919**
Option 4 ID : **4410091259920**
Status : **Not Answered**
Chosen Option : **--**

Q.2 **Which amendment gave constitutional status to the Panchayati Raj Institutions?**

Ans
✗ 1. 86th Amendment Act, 2002
✓ 2. 73rd Constitutional Amendment Act, 1992
✗ 3. 44th Amendment Act, 1978
✗ 4. 74th Constitutional Amendment Act, 1992

Question ID : **441009358048**
Option 1 ID : **4410091398177**
Option 2 ID : **4410091398174**
Option 3 ID : **4410091398176**
Option 4 ID : **4410091398175**
Status : **Not Answered**
Chosen Option : **--**

Q.3 **Which analogy did Emil Fischer propound in 1894 to explain the mode of action of enzymes?**

Ans
✓ 1. Lock and key model
✗ 2. Symmetry model
✗ 3. Conformational selection model
✗ 4. Induced fit model

Question ID : **441009616854**
Option 1 ID : **4410092421587**
Option 2 ID : **4410092421588**
Option 3 ID : **4410092421585**
Option 4 ID : **4410092421586**
Status : **Not Answered**
Chosen Option : **--**

Q.4 **Which cricketer became the first Indian pacer with 50 matches across all formats?**

Ans
✗ 1. Mohammed Shami
✗ 2. Arshdeep Singh
✗ 3. Mohammed Siraj
✓ 4. Jasprit Bumrah

Question ID : **4410091406457**
Option 1 ID : **4410095554976**
Option 2 ID : **4410095554977**
Option 3 ID : **4410095554975**
Option 4 ID : **4410095554974**
Status : **Not Answered**
Chosen Option : **--**

Q.5 Which of the following economic systems did Jawaharlal Nehru advocate for post-independence India?

Ans
✗ 1. Autarky
✗ 2. Pure socialism
✓ 3. Mixed economy
✗ 4. Pure capitalism

Question ID : **441009511175**
Option 1 ID : **4410091999861**
Option 2 ID : **4410091999858**
Option 3 ID : **4410091999860**
Option 4 ID : **4410091999859**
Status : **Not Answered**
Chosen Option : **--**

Q.6 Who won the 2025 MotoGP World Championship?

Ans
✗ 1. Jorge Martín
✗ 2. Francesco Bagnaia
✓ 3. Marc Márquez
✗ 4. Pedro Acosta

Question ID : **4410091470659**
Option 1 ID : **4410095810564**
Option 2 ID : **4410095810565**
Option 3 ID : **4410095810563**
Option 4 ID : **4410095810566**
Status : **Not Answered**
Chosen Option : **--**

Q.7 Who became the first general secretary of 'Naujawan Bharat Sabha'?

Ans
✗ 1. Lala Lajpat Rai
✗ 2. Yashpal
✓ 3. Sardar Bhagat Singh
✗ 4. Rajguru

Question ID : **4410091455671**
Option 1 ID : **4410095751004**
Option 2 ID : **4410095751006**
Option 3 ID : **4410095751003**
Option 4 ID : **4410095751005**
Status : **Not Answered**
Chosen Option : **--**

Q.8 **In the context of organic chemistry, what does the classic Finkelstein reaction describe?**

Ans
✗ 1. The reaction of an arene with acyl chlorides or anhydrides using a strong Lewis acid catalyst

✗ 2. The conversion of aryl diazonium salts to aryl halide using copper salt as a catalyst

✓ 3. The conversion of an alkyl chloride or an alkyl bromide to an alkyl iodide by treatment with a solution of sodium iodide in acetone

✗ 4. The coupling of two alkyl halides using sodium metal in dry ether

Question ID : **4410096168 67**
Option 1 ID : **4410092421640**
Option 2 ID : **4410092421637**
Option 3 ID : **4410092421638**
Option 4 ID : **4410092421639**
Status : **Not Answered**
Chosen Option : **--**

Q.9 **Pamba, Achankovil, Manimala, Meenachil and Muvattupuzha rivers discharge into which of the following lakes?**

Ans
✗ 1. Dal Lake

✗ 2. Loktak Lake

✗ 3. Sambhar Salt Lake

✓ 4. Vembanad Lake

Question ID : **4410091437776**
Option 1 ID : **4410095679815**
Option 2 ID : **4410095679814**
Option 3 ID : **4410095679816**
Option 4 ID : **4410095679813**
Status : **Not Answered**
Chosen Option : **--**

Q.10 **Which Article of the Indian Constitution mandates the Council of Ministers to aid and advise the President?**

Ans
✗ 1. Article 72

✗ 2. Article 78

✓ 3. Article 74

✗ 4. Article 76

Question ID : **441009358732**
Option 1 ID : **4410091400938**
Option 2 ID : **4410091400941**
Option 3 ID : **4410091400939**
Option 4 ID : **4410091400940**
Status : **Not Answered**
Chosen Option : **--**

Section : **Logical Reasoning Quantitative Aptitude**

Q.1 Refer to the following series and answer the question. (All numbers are single-digit numbers only.) (Counting to be done from left to right only.)
(Left) 7 8 6 5 3 2 4 8 5 2 8 7 4 8 9 8 9 8 5 1 9 4 6 8 2 5 5 (Right)
How many such odd numbers are there, each of which is immediately preceded by an even number and also immediately followed by an even number?

Ans
✗ 1. 6
✗ 2. 5
✓ 3. 4
✗ 4. 3

Question ID : **441009797482**
Option 1 ID : **4410093143930**
Option 2 ID : **4410093143928**
Option 3 ID : **4410093143927**
Option 4 ID : **4410093143929**
Status : **Answered**
Chosen Option : **3**

Q.2 $\textit{The value of } 7^3 - 1^2 + \left(\frac{18}{6}\right)^2 - 8 + 3 \times 0 = \_\_\_\_\_.$

2011

Ans
✗ 1. 340
✗ 2. 344
✗ 3. 347
✓ 4. 343

Question ID : **441009559422**
Option 1 ID : **4410092192957**
Option 2 ID : **4410092192956**
Option 3 ID : **4410092192958**
Option 4 ID : **4410092192955**
Status : **Answered**
Chosen Option : **4**

Q.3 First number and second number are, respectively, 12% and 41% more than a third number. The ratio of the first number to the second number is: 10266

Ans
✗ 1. 107 : 140
✓ 2. 112 : 141
✗ 3. 111 : 136
✗ 4. 109 : 139

Question ID : **441009548593**
Option 1 ID : **4410092149771**
Option 2 ID : **4410092149768**
Option 3 ID : **4410092149770**
Option 4 ID : **4410092149769**
Status : **Not Answered**
Chosen Option : **--**

Q.4 A 125 m long train overtakes a man moving at a speed of 7 km/h (in same direction) in 18 seconds. How much time (in seconds) will it take this train to completely cross another 340 m long train, moving in the opposite direction at a speed of 30 km/h?8164

Ans
✔ 1. 27
✘ 2. 18
✘ 3. 33
✘ 4. 13

Question ID : **441009546491**
Option 1 ID : **4410092141360**
Option 2 ID : **4410092141363**
Option 3 ID : **4410092141362**
Option 4 ID : **4410092141361**
Status : **Not Answered**
Chosen Option : **--**

Q.5 If '+' means '–', '–' means '×', '×' means '÷' and '÷' means '+', then what will come in place of the question mark (?) in the following equation?
23 + 45 × 5 ÷ 20 – 16 = ?

Ans
✘ 1. 336
✘ 2. 335
✘ 3. 333
✔ 4. 334

Question ID : **441009514806**
Option 1 ID : **4410092014557**
Option 2 ID : **4410092014556**
Option 3 ID : **4410092014554**
Option 4 ID : **4410092014555**
Status : **Answered**
Chosen Option : **4**

Q.6 In a certain code language, 'PAYS' is coded as '3618' and 'DAYS' is coded as '6438'. What is the code for 'D' in the given code language?

Ans
✘ 1. 6
✘ 2. 3
✔ 3. 4
✘ 4. 8

Question ID : **441009252039**
Option 1 ID : **441009982082**
Option 2 ID : **441009982080**
Option 3 ID : **441009982081**
Option 4 ID : **441009982083**
Status : **Answered**
Chosen Option : **3**

Q.7 **A mobile shop owner buys phones at varying discounts. He buys one at ₹15,000 with 20% discount and sells it at the original marked price. If his overhead cost is 5% of his buying price, what is his actual profit percentage (round off to two decimal places)?**

Ans
- ✔ 1. 19.05%
- ✘ 2. 20.25%
- ✘ 3. 17.5%
- ✘ 4. 15%

Question ID : **44100925719**
Option 1 ID : **441009102493**
Option 2 ID : **441009102494**
Option 3 ID : **441009102492**
Option 4 ID : **441009102491**
Status : **Answered**
Chosen Option : **4**

Q.8 **Based on the English alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group?**
(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster)1294

Ans
- ✘ 1. NOJ
- ✘ 2. IJE
- ✘ 3. XYT
- ✔ 4. FGA

Question ID : **441009787424**
Option 1 ID : **4410093103696**
Option 2 ID : **4410093103695**
Option 3 ID : **4410093103698**
Option 4 ID : **4410093103697**
Status : **Answered**
Chosen Option : **4**

Q.9 **Numbers a, b, c, d, e and f are such that the average of a, b and c is 13; that of c, d and e is 19; that of e and f is 12 and that of c and e is 9. Find the average of a, b, c, d, e and f.**5885

Ans
- ✘ 1. 20
- ✔ 2. 17
- ✘ 3. 14
- ✘ 4. 19

Question ID : **441009544212**
Option 1 ID : **4410092132246**
Option 2 ID : **4410092132244**
Option 3 ID : **4410092132247**
Option 4 ID : **4410092132245**
Status : **Not Answered**
Chosen Option : **--**

Q.10 D, E, F, G, W, X and Y are sitting around a circular table, facing the centre of the table. Only two people sit between G and Y when counted from the right of G. Only two people sit between Y and D. Only three people sit between G and W. E sits to the immediate left of X. Who sits third to the left of F?

Ans
1. D
2. W
3. X
4. G

Question ID : **4410095795**
Option 1 ID : **44100922957**
Option 2 ID : **44100922959**
Option 3 ID : **44100922960**
Option 4 ID : **44100922958**
Status : **Answered**
Chosen Option : **3**

Section : **General English**

Q.1 Select the most appropriate synonym of the underlined word in the given sentence.
They were <u>enthralled</u> by the performance.

Ans
1. captivated
2. embellished
3. revoked
4. plundered

Question ID : **4410091268854**
Option 1 ID : **4410095007932**
Option 2 ID : **4410095007933**
Option 3 ID : **4410095007935**
Option 4 ID : **4410095007934**
Status : **Answered**
Chosen Option : **4**

Q.2 The sentence given below contains a wrong adjective that has been underlined. Choose the option that provides the correct adjective so the sentence becomes logical and grammatically accurate.

Mr. Kapoor is admired as a/an **<u>hostile</u>** leader, as he is known for his supportive guidance and kind treatment of his team members.

Ans
1. lenient
2. compassionate
3. affable
4. arrogant

Question ID : **4410091277542**
Option 1 ID : **4410095042133**
Option 2 ID : **4410095042131**
Option 3 ID : **4410095042132**
Option 4 ID : **4410095042134**
Status : **Answered**
Chosen Option : **2**

Q.3 **Sentences of a paragraph are given below. While the first and the last sentences (S1 and S6) are in the correct order, the sentences in between are jumbled up. Arrange the sentences in the correct order to form a meaningful and coherent paragraph.**

S1. In order to talk about the nature of the universe and to discuss questions such as whether it has a beginning or an end, you have to be clear about what the scientific theory is.
P. It must accurately describe a large class of observations on the basis of a model that consists only a few arbitrary elements, and secondly, it must make definite predictions about the results of future observations.
Q. It exists only in our minds and does not have any other reality (whatever that might mean).
R. I shall take the simple-minded view that a theory is just a model of the universe, or a restricted part of it, and a set of rules that relate quantities in the model to observations that we make.
S. A theory is a good theory if it satisfies two requirements.
S6. For example, Aristotle's theory that everything was made out of four elements – earth, air, fire and water, was simple enough to qualify, but it did not make any definite predictions.512

Ans
✔ 1. RQSP
✘ 2. QPSR
✘ 3. PQRS
✘ 4. SQRP

Question ID : **441009428168**
Option 1 ID : **4410091672191**
Option 2 ID : **4410091672193**
Option 3 ID : **4410091672190**
Option 4 ID : **4410091672192**
Status : **Answered**
Chosen Option : **1**

Q.4 **Select the most appropriate option to substitute the underlined word segment in the given option.**
The meeting produced no concrete or positive results.

Ans
✘ 1. etched in stone
✔ 2. ended in smoke
✘ 3. fluttered the dovecotes
✘ 4. felt like a million

Question ID : **4410091272283**
Option 1 ID : **4410095021143**
Option 2 ID : **4410095021142**
Option 3 ID : **4410095021141**
Option 4 ID : **4410095021140**
Status : **Answered**
Chosen Option : **2**

Q.5 Choose the appropriate option to complete the sentence

During the seminar, Professor Arvind insisted that every student must take responsibility ___ maintaining academic integrity in their research papers.

Ans
✗ 1. with
✗ 2. on
✓ 3. of
✗ 4. for

Question ID : **4410091277508**
Option 1 ID : **4410095041978**
Option 2 ID : **4410095041977**
Option 3 ID : **4410095041975**
Option 4 ID : **4410095041976**
Status : **Answered**
Chosen Option : **3**

Q.6 Select the option that can be used as a one-word substitute for the given group of words.

A person who loves mankind and works for its welfare

Ans
✗ 1. Egoist
✗ 2. Misanthrope
✓ 3. Philanthropist
✗ 4. Pessimist

Question ID : **441009436745**
Option 1 ID : **4410091706501**
Option 2 ID : **4410091706499**
Option 3 ID : **4410091706500**
Option 4 ID : **4410091706498**
Status : **Answered**
Chosen Option : **3**

Q.7 Substitute the underlined word segment in the sentence below with the most appropriate idiom.

The manager was very angry and **lost his temper** when the report was delayed.

Ans
✓ 1. blew his top
✗ 2. called it a day
✗ 3. broke new ground
✗ 4. went the extra mile

Question ID : **4410091324025**
Option 1 ID : **4410095227545**
Option 2 ID : **4410095227546**
Option 3 ID : **4410095227548**
Option 4 ID : **4410095227547**
Status : **Answered**
Chosen Option : **1**

Comprehension:

Read the passage carefully and answer the following questions.

Robotics, once a concept limited to science fiction, has now become a vital part of modern society. From automated machines in factories to service robots in hospitals, the presence of robotics can be felt in almost every sector. These machines not only reduce human effort but also enhance efficiency, accuracy, and safety. For example, robots assist in performing delicate surgeries, explore dangerous environments, and even assemble cars faster than humans.

However, the rise of robotics also brings challenges. Many fear that machines may replace human jobs, leading to unemployment and economic imbalance. Others worry about excessive dependence on technology, which could weaken critical human skills. Despite these concerns, robotics continues to advance, often solving problems humans alone cannot.

What makes robotics remarkable is its ability to evolve. With artificial intelligence, robots are no longer limited to programmed instructions; they can now learn, adapt, and interact intelligently. This blend of automation and intelligence shapes the future of industries, education, and even daily life. Researchers are now developing robots that can collaborate with humans in classrooms, provide companionship for the elderly, and support sustainable practices in agriculture. These advancements show that robotics is not just about efficiency, but also about creating meaningful human-machine partnerships.

Ultimately, robotics reminds us that technology, when guided by ethics and responsibility, has the potential to improve lives without diminishing human value. Its future lies not in replacing people, but in empowering them to achieve more than they ever could alone.

SubQuestion No : 8

Q.8 **Identify the most suitable title for the passage.**

Ans

✗ 1. Robotics: New Machines for Faster Industrial Growth

✓ 2. Robotics: A Journey from Fiction to Daily Reality

✗ 3. Robotics: The Risks of Automation on Human Work

✗ 4. Robotics: The Balance of Progress and Human Value

Question ID : **4410091277894**
Option 1 ID : **4410095043558**
Option 2 ID : **4410095043556**
Option 3 ID : **4410095043557**
Option 4 ID : **4410095043555**
Status : **Answered**
Chosen Option : **2**

Comprehension:

Read the passage carefully and answer the following questions.

Robotics, once a concept limited to science fiction, has now become a vital part of modern society. From automated machines in factories to service robots in hospitals, the presence of robotics can be felt in almost every sector. These machines not only reduce human effort but also enhance efficiency, accuracy, and safety. For example, robots assist in performing delicate surgeries, explore dangerous environments, and even assemble cars faster than humans.

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SubQuestion No : 9

Q.9 Which inferences can be drawn from the passage?

1. Robotics can both replace and assist humans in different sectors.

2. The role of artificial intelligence makes robots adaptive and interactive.

3. Robotics guarantees the complete elimination of unemployment worldwide.

Ans

✗ 1. All 1, 2, and 3

✗ 2. 2 and 3 only

✗ 3. 1 and 3 only

✓ 4. 1 and 2 only

Question ID : **4410091277896**
Option 1 ID : **4410095043564**
Option 2 ID : **4410095043565**
Option 3 ID : **4410095043566**
Option 4 ID : **4410095043563**
Status : **Answered**
Chosen Option : **4**

Comprehension:

Read the passage carefully and answer the following questions.

Robotics, once a concept limited to science fiction, has now become a vital part of modern society. From automated machines in factories to service robots in hospitals, the presence of robotics can be felt in almost every sector. These machines not only reduce human effort but also enhance efficiency, accuracy, and safety. For example, robots assist in performing delicate surgeries, explore dangerous environments, and even assemble cars faster than humans.

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SubQuestion No : 10

Q.10 Select the correct summary of the passage.

Ans

✗ 1. Robotics is only valuable when it reduces costs in industries, making production quicker and cheaper than human work.

✗ 2. Robotics is mostly about factory machines, car assembly, and some medical uses, which improve speed but may reduce human roles.

✗ 3. Robotics is entirely positive, as it always ensures accuracy, safety, and the replacement of human jobs with technology.

✓ 4. Robotics, evolving with AI, enhances efficiency, supports humans in complex tasks, poses challenges like job loss, and highlights the need for ethical responsibility.

Question ID : **4410091277897**
Option 1 ID : **4410095043570**
Option 2 ID : **4410095043568**
Option 3 ID : **4410095043569**
Option 4 ID : **4410095043567**
Status : **Answered**
Chosen Option : **4**

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