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(Communication)
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Participant ID	
Participant Name	
Test Center Name	
Test Date	16/01/2026
Test Time	2:00 PM - 5:00 PM
Subject	Junior Engineer Communication

Section : Subject Knowledge

Q.1 The CDMA technique is used in _____ wireless technology and one of the key feature is _____ handoff.

- Ans
- ☒ 1. Analog, hard
 - ☒ 2. Digital, soft
 - ☒ 3. Analog, soft
 - ☒ 4. Digital, hard

Question ID : 4410091281638
Option 1 ID : 4410095058383
Option 2 ID : 4410095058384
Option 3 ID : 4410095058382
Option 4 ID : 4410095058385
Status : Answered
Chosen Option : 1

Q.2 Identify the correct statement related to bandgap in semiconductors.

- Ans
- ☒ 1. The bandgap of Silicon is equal to Germanium.
 - ☒ 2. The bandgap of Silicon is less than that of Germanium.
 - ☒ 3. The bandgap of Silicon is more than that of Germanium.
 - ☒ 4. The bandgap of Silicon is zero.

Question ID : 4410091283165
Option 1 ID : 4410095064336
Option 2 ID : 4410095064334
Option 3 ID : 4410095064335
Option 4 ID : 4410095064337
Status : Answered
Chosen Option : 3

Q.3 The key feature of LTE- 4G Mobile communication is?

- Ans ☒ 1. Only supports data, no voice
- ☒ 2. All-IP network architecture
- ☒ 3. Circuit-switched voice calls
- ☒ 4. Fixed bandwidth allocation

Question ID : 4410091281628
Option 1 ID : 4410095058349
Option 2 ID : 4410095058347
Option 3 ID : 4410095058346
Option 4 ID : 4410095058348
Status : Answered
Chosen Option : 2

Q.4 Select the option that is correct regarding the following two statements labelled Assertion (A) and Reason (R).

Assertion (A): In a linear control system, the principle of superposition applies to the input–output relationship.
Reason (R): This is because in linear systems, the output is directly proportional to the input and system parameters remain constant.

- Ans ☒ 1. Both A and R are true, and R is the correct explanation of A.
- ☒ 2. A is true, but R is false.
- ☒ 3. A is false, but R is true.
- ☒ 4. Both A and R are true, but R is not the correct explanation of A.

Question ID : 4410091190248
Option 1 ID : 4410094695170
Option 2 ID : 4410094695167
Option 3 ID : 4410094695168
Option 4 ID : 4410094695169
Status : Answered
Chosen Option : 4

Q.5 If the reverse biased voltage to the varactor diode increases, then the width of the depletion region _____ and the diode capacitance _____.

- Ans ☒ 1. decreases, decreases
- ☒ 2. decreases, remains constant
- ☒ 3. increases, increases
- ☒ 4. increases, decreases

Question ID : 4410091285517
Option 1 ID : 4410095073681
Option 2 ID : 4410095073682
Option 3 ID : 4410095073684
Option 4 ID : 4410095073683
Status : Not Answered
Chosen Option : --

Q.6 Identify the false statement related to the PIN diode.

- Ans ☒ 1. A PIN diode can act as a photodetector when illuminated.
- ☒ 2. A PIN can only handle low voltages and currents.
- ☒ 3. A PIN diode has a layer of intrinsic (undoped) semiconductor sandwiched between p-type and n-type layers
- ☒ 4. A PIN diode can act as a variable resistor at high frequencies.

Question ID : 4410091285488
Option 1 ID : 4410095073566
Option 2 ID : 4410095073568
Option 3 ID : 4410095073567
Option 4 ID : 4410095073565
Status : Answered
Chosen Option : 2

Q.7 The NPN or PNP transistor in CE configuration cannot be biased in _____ to operate as a digital switch.

- Ans ☒ 1. Both saturation and cut-off region
- ☒ 2. Cutoff region
- ☒ 3. Saturation region
- ☒ 4. Active region

Question ID : 4410091285323
Option 1 ID : 4410095072912
Option 2 ID : 4410095072910
Option 3 ID : 4410095072911
Option 4 ID : 4410095072909
Status : Not Answered
Chosen Option : --

Q.8 The bandgap of Intrinsic Silicon semiconductor is approximately _____ at room temperature

- Ans ☒ 1. 1.1 eV
- ☒ 2. 0 eV
- ☒ 3. 0.6 eV
- ☒ 4. 5.5 eV

Question ID : 4410091283239
Option 1 ID : 4410095064628
Option 2 ID : 4410095064626
Option 3 ID : 4410095064629
Option 4 ID : 4410095064627
Status : Answered
Chosen Option : 1

Q.9 How many basic gates are required to realize the Boolean expression $Y = AB + \bar{A}B + ABC$ after simplification if all gates have two input lines?

- Ans ☒ 1. 0 as the output is directly connected to B
- ☐ 2. 4
- ☐ 3. 3
- ☐ 4. 2

Question ID : 4410091504094
Option 1 ID : 4410095940704
Option 2 ID : 4410095940705
Option 3 ID : 4410095940706
Option 4 ID : 4410095940703
Status : Answered
Chosen Option : 2

Q.10 The Quantum tunnelling phenomena happens in Tunnel diode as the electrons pass through an extremely _____ depletion region in a _____ doped p-n junction.

- Ans ☐ 1. thick, lightly
- ☐ 2. thin, lightly
- ☒ 3. thin, heavily
- ☐ 4. thick, heavily

Question ID : 4410091282792
Option 1 ID : 4410095062857
Option 2 ID : 4410095062856
Option 3 ID : 4410095062855
Option 4 ID : 4410095062854
Status : Answered
Chosen Option : 3

Q.11 The magnitude of diffusion current is _____ proportional to the concentration gradient and the current flows due to motion of excess charge carriers from _____.

- Ans ☐ 1. inversely, low concentration region to high concentration region
- ☐ 2. directly, low concentration region to high concentration region
- ☒ 3. directly, high concentration region to low concentration region
- ☐ 4. inversely, high concentration region to low concentration region

Question ID : 4410091284592
Option 1 ID : 4410095069948
Option 2 ID : 4410095069950
Option 3 ID : 4410095069949
Option 4 ID : 4410095069947
Status : Answered
Chosen Option : 3

Q.12 The discrete-time signal $x[n]$ is a finite-duration sequence, defined for $-N \leq n \leq M$, where N and M are positive integers. The signal is non-zero only within this range. What is the Region of Convergence (ROC) of the z -transform of $x[n]$?

- Ans
- ☒ 1. The entire z -plane, except at $z = 0$.
 - ☒ 2. The entire z -plane, except at $z = \infty$.
 - ☒ 3. The entire z -plane, except possibly at $z = 0$ and $z = \infty$.
 - ☒ 4. The entire z -plane.

Question ID : 4410091284787
Option 1 ID : 4410095070747
Option 2 ID : 4410095070748
Option 3 ID : 4410095070749
Option 4 ID : 4410095070750
Status : Answered
Chosen Option : 3

Q.13 Which type of Lattice structure is generally observed in semiconductors like Silicon or Germanium?

- Ans
- ☒ 1. Hexagonal closed pack
 - ☒ 2. Body centred cubic
 - ☒ 3. Diamond cubic
 - ☒ 4. Conical

Question ID : 4410091283199
Option 1 ID : 4410095064467
Option 2 ID : 4410095064469
Option 3 ID : 4410095064468
Option 4 ID : 4410095064466
Status : Not Answered
Chosen Option : --

Q.14 The Excitation table of T flipflop is equivalent to _____

- Ans
- ☒ 1. Output of AND gate
 - ☒ 2. Output of EXOR gate
 - ☒ 3. Output of EXNOR gate
 - ☒ 4. Output of OR gate

Question ID : 441009226932
Option 1 ID : 441009888552
Option 2 ID : 441009888549
Option 3 ID : 441009888550
Option 4 ID : 441009888551
Status : Answered
Chosen Option : 2

Q.15 Which statement correctly justifies Mass Law action in Semiconductor?

- Ans ☒ 1. In an n-type semiconductor, if the electron concentration increases due to doping, then the hole concentration also increases according to the mass action law.
- ☒ 2. In an n-type semiconductor, if the electron concentration decreases due to doping, then the hole concentration also decreases according to the mass action law.
- ☒ 3. In an n-type semiconductor, if the electron concentration increases due to doping, then the hole concentration remains constant according to the mass action law.
- ☒ 4. In an n-type semiconductor, if the electron concentration increases due to doping, then the hole concentration decreases according to the mass action law.

Question ID : 4410091285237
Option 1 ID : 4410095072572
Option 2 ID : 4410095072569
Option 3 ID : 4410095072570
Option 4 ID : 4410095072571
Status : Answered
Chosen Option : 4

Q.16 In a PNP transistor, what is the direction of conventional current flow and the biasing condition of the emitter-base junction for the transistor to operate in the active region?

- Ans ☒ 1. Current flows from base to collector, and the emitter-base junction is unbiased
- ☒ 2. Current flows from emitter to base, and the emitter-base junction is forward biased
- ☒ 3. Current flows from collector to base, and the emitter-base junction is forward biased
- ☒ 4. Current flows from base to emitter, and the emitter-base junction is reverse biased

Question ID : 4410091285333
Option 1 ID : 4410095072950
Option 2 ID : 4410095072951
Option 3 ID : 4410095072949
Option 4 ID : 4410095072952
Status : Answered
Chosen Option : 4

Q.17 What is the correct impact of rise in temperature on V-I characteristic of the PN Junction diode?

- Ans ☒ 1. Fall in reverse saturation current and rise in forward cut-in voltage.
- ☒ 2. Rise in reverse saturation current and fall in forward cut-in voltage.
- ☒ 3. Rise in reverse saturation current and forward cut-in voltage.
- ☒ 4. Fall in reverse saturation current and forward cut-in voltage.

Question ID : 4410091282628
Option 1 ID : 4410095062213
Option 2 ID : 4410095062212
Option 3 ID : 4410095062210
Option 4 ID : 4410095062211
Status : Not Answered
Chosen Option : --

Q.18 A System is defined as causal if _____.

- Ans ☒ 1. The output depends on future values of the input.
- ☒ 2. The output depends only on present and past values of the input.
- ☒ 3. The output depends on past values of the output.
- ☒ 4. The system's impulse response is non-zero for $t < 0$

Question ID : 4410091284812
Option 1 ID : 4410095070839
Option 2 ID : 4410095070840
Option 3 ID : 4410095070841
Option 4 ID : 4410095070842
Status : Not Answered
Chosen Option : --

Q.19 A varactor diode is fabricated using _____ for operations at high frequencies and the _____ works as a dielectric for its capacitance.

- Ans ☒ 1. Gallium arsenide, n-region
- ☒ 2. Gallium arsenide, depletion region
- ☒ 3. Silicon, n-region
- ☒ 4. Silicon, p-region

Question ID : 4410091285511
Option 1 ID : 4410095073658
Option 2 ID : 4410095073659
Option 3 ID : 4410095073660
Option 4 ID : 4410095073657
Status : Answered
Chosen Option : 2

Q.20 Germanium (Ge) is the most popular material for tunnel diodes due to _____.

- Ans ☒ 1. higher peak-to-valley current ratio than that of Silicon
- ☒ 2. higher stability and high-power dissipation than that of Silicon
- ☒ 3. higher band gap than that in Silicon
- ☒ 4. higher temperature stability compared to Silicon

Question ID : 4410091282828
Option 1 ID : 4410095062996
Option 2 ID : 4410095062997
Option 3 ID : 4410095062995
Option 4 ID : 4410095062994
Status : Answered
Chosen Option : 1

Q.21 A PAM signal can be demodulated or detected using which of the following?

- Ans ☒ 1. A band-pass filter
- ☒ 2. An integrator
- ☒ 3. A low-pass filter (LPF)
- ☒ 4. An analog-to-digital converter (ADC)

Question ID : 4410091267098
Option 1 ID : 4410095001129
Option 2 ID : 4410095001127
Option 3 ID : 4410095001128
Option 4 ID : 4410095001126
Status : Answered
Chosen Option : 4

Q.22 From the Electrical equivalent circuit of the OP-AMP it can be concluded that the ideal input bias current for the OP-AMP is _____ due to _____ input impedance.

- Ans ☒ 1. infinite, infinite
☒ 2. zero, infinite
☒ 3. zero, zero
☒ 4. infinite, zero

Question ID : 4410091285271
 Option 1 ID : 4410095072706
 Option 2 ID : 4410095072707
 Option 3 ID : 4410095072708
 Option 4 ID : 4410095072705
 Status : Not Answered
 Chosen Option : --

Q.23 The output characteristics of the common base configuration is governed by _____.

- Ans ☒ 1. Channel length modulation
☒ 2. Base width modulation
☒ 3. Minority charge carrier of the emitter region
☒ 4. Thermal runaway

Question ID : 4410091285416
 Option 1 ID : 4410095073277
 Option 2 ID : 4410095073278
 Option 3 ID : 4410095073280
 Option 4 ID : 4410095073279
 Status : Answered
 Chosen Option : 3

Q.24 Which statement is false about input bias current in Operational amplifier?

- Ans ☒ 1. Input bias current is a non-ideal characteristic of Operational amplifier.
☒ 2. Input bias current is DC base current in the transistor of the differential amplifier.
☒ 3. Due to transistor mismatch input bias current is required in operational amplifier.
☒ 4. Input bias current is defined as the average of two DC base currents of the transistor used in the differential amplifier of the operational amplifier.

Question ID : 44100965504
 Option 1 ID : 441009260979
 Option 2 ID : 441009260977
 Option 3 ID : 441009260976
 Option 4 ID : 441009260978
 Status : Not Answered
 Chosen Option : --

Q.25 The valence band of the Germanium atom represents the _____.

- Ans ☒ 1. Energy state of the electrons in the fourth orbit of the Germanium atom
- ☒ 2. Energy state of the electrons in the first orbit of the Germanium atom
- ☒ 3. Energy state of the free electron
- ☒ 4. Energy state of the electrons at the intrinsic fermi level

Question ID : 4410091284541
Option 1 ID : 4410095069744
Option 2 ID : 4410095069746
Option 3 ID : 4410095069743
Option 4 ID : 4410095069745
Status : Answered
Chosen Option : 1

Q.26 In a Tunnel diode, the negative differential resistance is bounded by _____.

- Ans ☒ 1. Latching current and valley voltage
- ☒ 2. Latching and holding current
- ☒ 3. Peak voltage and holding current
- ☒ 4. Peak voltage and valley voltage

Question ID : 4410091282844
Option 1 ID : 4410095063060
Option 2 ID : 4410095063058
Option 3 ID : 4410095063061
Option 4 ID : 4410095063059
Status : Not Answered
Chosen Option : --

Q.27 In an unbiased PN junction diode, the barrier energy exists due to _____ with _____

- Ans ☒ 1. mobile ions, negative ions on the N-side and positive ions on the P-side.
- ☒ 2. immobile ions, negative ions on the P-side and positive ions on the N-side.
- ☒ 3. mobile ions, negative ions on the P-side and positive ions on the N-side.
- ☒ 4. immobile ions, negative ions on the N-side and positive ions on the P-side.

Question ID : 4410091281652
Option 1 ID : 4410095058440
Option 2 ID : 4410095058439
Option 3 ID : 4410095058441
Option 4 ID : 4410095058438
Status : Not Answered
Chosen Option : --

Q.28 The forward cut-in voltage of the Zener diode _____.

- Ans ☒ 1. increases with rise in temperature
- ☒ 2. is always constant and independent of variation in temperature
- ☒ 3. decreases with rise in temperature
- ☒ 4. decreases with decrease in temperature

Question ID : 4410091282744
Option 1 ID : 4410095062666
Option 2 ID : 4410095062669
Option 3 ID : 4410095062667
Option 4 ID : 4410095062668
Status : Not Answered
Chosen Option : --

Q.29 The common collector BJT amplifier is also known as _____ since its

- Ans ☒ 1. source follower, current gain is less than or approximately equal to unity
☒ 2. Emitter follower, voltage gain is less than or approximately equal to unity
☒ 3. emitter follower, current gain is less than or approximately equal to unity
☒ 4. Load follower, voltage gain is much greater than unity

Question ID : 4410091285301
Option 1 ID : 4410095072822
Option 2 ID : 4410095072824
Option 3 ID : 4410095072821
Option 4 ID : 4410095072823
Status : Answered
Chosen Option : 2

Q.30 Is granular noise a phenomenon associated with a standard PCM system?

- Ans ☒ 1. No, granular noise is specific to Delta Modulation, while PCM suffers from a different kind of quantization noise.
☒ 2. Yes, but it is less severe than in DM.
☒ 3. Yes, it is the only type of quantization noise in PCM.
☒ 4. No, PCM is an entirely noise-free system.

Question ID : 4410091267074
Option 1 ID : 4410095001028
Option 2 ID : 4410095001027
Option 3 ID : 4410095001026
Option 4 ID : 4410095001029
Status : Not Answered
Chosen Option : --

Q.31 For a TEM wave travelling in the +x-direction in free space, the Helmholtz equations for the transverse electric field components are $\partial^2 E_y / \partial x^2 = -\beta^2 E_y$ and $\partial^2 E_z / \partial x^2 = -\beta^2 E_z$, where $\beta = \omega \sqrt{\mu \epsilon}$. Which of the following correctly represents the field relations? Here, η is the intrinsic impedance.

- Ans ☒ 1. $(E_y / H_z) = 1/\eta$, $(E_z / H_y) = 1/\eta$, $E_x \neq 0$, $H_x = 0$
☒ 2. $(E_z / H_y) = \eta$, $(H_z / E_y) = -1/\eta$, $E_x = 0$, $H_x \neq 0$
☒ 3. $(E_y / H_z) = \eta$, $(H_y / E_z) = -1/\eta$, $E_x = 0$, $H_x = 0$
☒ 4. $(E_y / H_y) = \eta$, $(E_z / H_z) = \eta$, $E_x \neq 0$, $H_x \neq 0$

Question ID : 4410091339241
Option 1 ID : 4410095289046
Option 2 ID : 4410095289047
Option 3 ID : 4410095289045
Option 4 ID : 4410095289048
Status : Answered
Chosen Option : 3

Q.32 What is the input impedance of an ideal OPAMP in its electrical equivalent circuit?

Ans ☒ 1. Infinite

☐ 2. Low

☐ 3. Zero

☐ 4. High

Question ID : 4410091097334

Option 1 ID : 4410094326714

Option 2 ID : 4410094326712

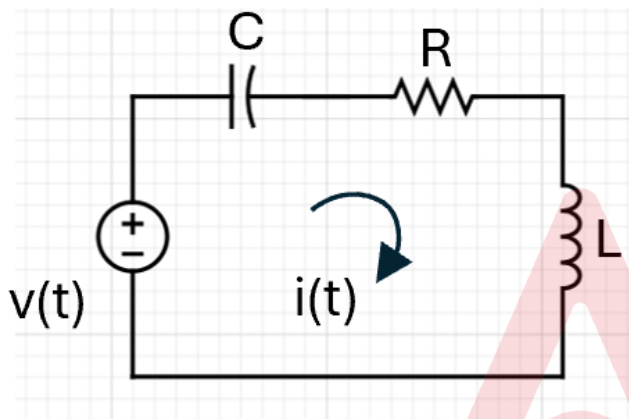
Option 3 ID : 4410094326711

Option 4 ID : 4410094326713

Status : Answered

Chosen Option : 2

Q.33 For the series circuit shown, elements R, L, and C are in series with source $v(t)$. The response of the circuit is $i(t)$. Determine the transfer function $I(s)/V(s)$.



Ans ☐ 1. $I(s)/V(s) = 1 / (R + sL + sC)$

☐ 2. $I(s)/V(s) = s / (Cs^2 + R s + 1/L)$

☒ 3. $I(s)/V(s) = sC / (L C s^2 + R C s + 1)$

☐ 4. $I(s)/V(s) = 1 / (R + sL + 1/C)$

Question ID : 4410091340114

Option 1 ID : 4410095292491

Option 2 ID : 4410095292492

Option 3 ID : 4410095292490

Option 4 ID : 4410095292493

Status : Answered

Chosen Option : 4

Q.34 Determine the resistance of the Zener diode operating in the breakdown region such that its current is 20 mA and power consumed is 2 W.

Ans ☐ 1. 500 Ω

☐ 2. 5 Ω

☒ 3. 5000 Ω

☐ 4. 50 Ω

Question ID : 4410091282766

Option 1 ID : 4410095062755

Option 2 ID : 4410095062754

Option 3 ID : 4410095062757

Option 4 ID : 4410095062756

Status : Not Answered

Chosen Option : --

Q.35 The electric field $\mathbf{E}$ at a distance r from an infinitely long line charge placed along the z -axis with line charge density ρ_L is given by which of the following expressions? (Note: here $\mathbf{a}_\rho$ and $\mathbf{a}_z$ are unit vectors in the radial direction and z direction, respectively.)

Ans ☒ 1. $E = (\rho_L / (4\pi \epsilon_0 r^2)) \mathbf{a}_\rho$

☒ 2. $E = (\rho_L / (2\pi \epsilon_0 r)) \mathbf{a}_\rho$

☒ 3. $E = (\rho_L r / (2\pi \epsilon_0)) \mathbf{a}_z$

☒ 4. $E = (\rho_L / (2\pi \epsilon_0 r)) \mathbf{a}_z$

Question ID : 4410091339074

Option 1 ID : 4410095288377

Option 2 ID : 4410095288378

Option 3 ID : 4410095288379

Option 4 ID : 4410095288380

Status : Not Answered

Chosen Option : --

Q.36 Identify the correct statement related to Position of Fermi level in extrinsic semiconductor.

Ans ☒ 1. Position of Fermi level in n-type extrinsic semiconductor moves towards the conduction band for increase in doping concentration of pentavalent impurity.

☒ 2. Position of Fermi level in p-type extrinsic semiconductor moves towards the conduction band for increase in doping concentration of trivalent impurity.

☒ 3. Position of Fermi level in n-type extrinsic semiconductor moves towards the valence band for increase in doping concentration of pentavalent impurity.

☒ 4. Position of Fermi level in p-type extrinsic semiconductor moves towards the valence band for increase in doping concentration of pentavalent impurity.

Question ID : 4410091284544

Option 1 ID : 4410095069757

Option 2 ID : 4410095069755

Option 3 ID : 4410095069758

Option 4 ID : 4410095069756

Status : Not Answered

Chosen Option : --

Q.37 Identify the incorrect statement related to band gap in Conductors, Insulators and Semiconductors.

Ans ☒ 1. The bandgap is difference in energy level of conduction band and valence band.

☒ 2. The conduction band and valence band overlap in conductors.

☒ 3. The band gap in semiconductor is more than that of insulators.

☒ 4. Insulators have maximum bandgap and hence they don't conduct even in presence of external electric field.

Question ID : 4410091283158

Option 1 ID : 4410095064309

Option 2 ID : 4410095064307

Option 3 ID : 4410095064308

Option 4 ID : 4410095064306

Status : Not Answered

Chosen Option : --

Q.38 A continuous-time signal $x(t)$ has its value $x(t=0) = 0$. If the signal is shifted to the left by t_0 units, then where will the value of $x(0)$ appear in the new signal?

- Ans
- ☒ 1. At $t = t_0$.
 - ☒ 2. At $t = +t_0$.
 - ☒ 3. The value of (0) will disappear.
 - ☒ 4. At $t = -t_0$.

Question ID : 4410091284892
Option 1 ID : 4410095071171
Option 2 ID : 4410095071173
Option 3 ID : 4410095071174
Option 4 ID : 4410095071172
Status : Answered
Chosen Option : 4

Q.39 The voltage gain of the Common gate Amplifier circuit is 10 and the FET transconductance is 10 mS. Then the load to the amplifier is _____.

- Ans
- ☒ 1. 0.5 K Ω
 - ☒ 2. 0.1 K Ω
 - ☒ 3. 1 K Ω
 - ☒ 4. 10 K Ω

Question ID : 4410091285448
Option 1 ID : 4410095073414
Option 2 ID : 4410095073413
Option 3 ID : 4410095073415
Option 4 ID : 4410095073416
Status : Answered
Chosen Option : 3

Q.40 Select the correct option for the reason behind the use of a master-slave flip-flop configuration.

- Ans
- ☒ 1. To increase the storage capacity of the flip-flop.
 - ☒ 2. To speed up the clock pulse frequency.
 - ☒ 3. To eliminate race-around conditions by having two stages that are triggered at different clock edges.
 - ☒ 4. To act as a transparent latch, allowing continuous output changes.

Question ID : 4410091264410
Option 1 ID : 4410094990530
Option 2 ID : 4410094990531
Option 3 ID : 4410094990532
Option 4 ID : 4410094990533
Status : Answered
Chosen Option : 3

Q.41 Which of the following represents De Morgan's theorem?

- Ans ☒ 1. $(AB)' = AB$
- ☒ 2. $(A+B)' = A'B'$
- ☒ 3. $(A+B)' = A' + B'$
- ☒ 4. $(AB)' = AB'$

Question ID : 4410091304084
Option 1 ID : 4410095148259
Option 2 ID : 4410095148258
Option 3 ID : 4410095148257
Option 4 ID : 4410095148256
Status : Answered
Chosen Option : 3

Q.42 A controller implemented with op-amps has the transfer function $G_c(s) = E_o(s) / E_{in}(s) = (R_2/R_1) + (R \times C) s$.
Which type of controller does this represent?

- Ans ☒ 1. Proportional–Integral–Derivative (PID) controller
- ☒ 2. Proportional–Integral (PI) controller
- ☒ 3. Proportional (P) controller
- ☒ 4. Proportional–Derivative (PD) controller

Question ID : 4410091333643
Option 1 ID : 4410095266214
Option 2 ID : 4410095266212
Option 3 ID : 4410095266215
Option 4 ID : 4410095266213
Status : Not Answered
Chosen Option : --

Q.43 Two magnetic media meet at the plane $x = 0$.
• Region 1 ($x < 0$): $\mu_{r1} = 3$ and $\mathbf{H}_1 = 4\mathbf{a}_x + 3\mathbf{a}_y - 6\mathbf{a}_z$ (A/m).
• Region 2 ($x > 0$): $\mu_{r2} = 4$.
• The boundary is current-free.
What is $\mathbf{H}_2$ in Region 2?

- Ans ☒ 1. $\mathbf{H}_2 = 4\mathbf{a}_x + 3\mathbf{a}_y - 6\mathbf{a}_z$ (A/m)
- ☒ 2. $\mathbf{H}_2 = 3\mathbf{a}_x + 3\mathbf{a}_y - 6\mathbf{a}_z$ (A/m)
- ☒ 3. $\mathbf{H}_2 = (16/3)4\mathbf{a}_x + 3\mathbf{a}_y - 6\mathbf{a}_z$ (A/m)
- ☒ 4. $\mathbf{H}_2 = 24\mathbf{a}_x + 3\mathbf{a}_y - 6\mathbf{a}_z$ (A/m)

Question ID : 4410091339197
Option 1 ID : 4410095288870
Option 2 ID : 4410095288869
Option 3 ID : 4410095288871
Option 4 ID : 4410095288872
Status : Not Answered
Chosen Option : --

Q.44 The Zener diode generally has _____ internal Electric field of barrier and has _____ doping concentrations.

- Ans
- ☒ 1. weak, low
 - ☒ 2. strong, low
 - ☒ 3. weak, high
 - ☒ 4. strong, high

Question ID : 4410091282729
Option 1 ID : 4410095062607
Option 2 ID : 4410095062609
Option 3 ID : 4410095062606
Option 4 ID : 4410095062608
Status : Answered
Chosen Option : 3

Q.45 Which of the following is an incorrect application of the Zener diode operating in the breakdown region?

- Ans
- ☒ 1. Overvoltage protection
 - ☒ 2. Variable resistance
 - ☒ 3. Voltage regulation
 - ☒ 4. Constant voltage reference

Question ID : 4410091282760
Option 1 ID : 4410095062732
Option 2 ID : 4410095062733
Option 3 ID : 4410095062731
Option 4 ID : 4410095062730
Status : Answered
Chosen Option : 2

Q.46 The input side of the small signal model of the CS FET amplifier is represented by _____ and the output side by _____.

- Ans
- ☒ 1. short circuit, dependent current source
 - ☒ 2. open circuit, dependent current source
 - ☒ 3. short circuit, dependent voltage source
 - ☒ 4. open circuit, dependent voltage source

Question ID : 4410091285458
Option 1 ID : 4410095073449
Option 2 ID : 4410095073450
Option 3 ID : 4410095073451
Option 4 ID : 4410095073452
Status : Not Answered
Chosen Option : --

Q.47 With reference to the energy band diagram, generally the bandgap of insulator is _____ and for conductors it is _____ .

- Ans ☒ 1. Less than 3 eV, greater than 5 eV
- ☒ 2. Greater than 5.5 eV, zero
- ☒ 3. Less than 1 eV, greater than 5 eV
- ☒ 4. Less than 2 eV, zero

Question ID : 4410091283255

Option 1 ID : 4410095064693

Option 2 ID : 4410095064692

Option 3 ID : 4410095064691

Option 4 ID : 4410095064690

Status : Answered

Chosen Option : 3

Q.48 Identify whether the given statements related to Einstein relationship in a semiconductor are correct.

Statement I: It is derived from the principle that at thermal equilibrium, with no applied voltage, the drift current and diffusion current balance each other.

Statement II: The mobility (μ) parameter of the equations describes how quickly carriers move under the presence of magnetic field.

- Ans ☒ 1. Both statements I and II are correct.
- ☒ 2. Only statement I is correct.
- ☒ 3. Only statement II is correct.
- ☒ 4. Both statements I and II are wrong.

Question ID : 4410091285225

Option 1 ID : 4410095072515

Option 2 ID : 4410095072513

Option 3 ID : 4410095072514

Option 4 ID : 4410095072516

Status : Answered

Chosen Option : 1

Q.49 If the DC current gain of the BJT is 100 and input resistance derived from the input characteristics of the BJT in CE configuration is $1000\ \Omega$, then the small signal resistance measured between emitter and base terminal is _____.

- Ans ☒ 1. $10\ \text{K}\Omega$
- ☒ 2. $100\ \Omega$
- ☒ 3. $10\ \Omega$
- ☒ 4. $100\ \text{K}\Omega$

Question ID : 4410091285438

Option 1 ID : 4410095073365

Option 2 ID : 4410095073368

Option 3 ID : 4410095073366

Option 4 ID : 4410095073367

Status : Not Answered

Chosen Option : --

Q.50 Which typical characteristics behaviour of the Tunnel diode implies it has negative differential resistance?

Ans ☒ 1. The current decreases as the voltage increases beyond the peak point.

☒ 2. The current increases as the voltage increases before the peak point.

☒ 3. The current decreases as the voltage increases before the peak point.

☒ 4. The current increases as the voltage increases beyond the peak point.

Question ID : 4410091282839

Option 1 ID : 4410095063040

Option 2 ID : 4410095063039

Option 3 ID : 4410095063038

Option 4 ID : 4410095063041

Status : Not Answered

Chosen Option : --

Section : Punjabi Language Knowledge

Q.1 ਹੇਠ ਲਿਖਿਆਂ ਵਿੱਚੋਂ ਕਿਹੜਾ ਦਿਨ ਦਾ ਸਹੀ ਲਿਖਤ ਰੂਪ ਹੈ?

Ans ☒ 1. ਸੋਮਵਾਰ

☒ 2. ਵਿਰਵਾਰ

☒ 3. ਬੁੱਢਵਾਰ

☒ 4. ਐਤਵਾਰ

Question ID : 4410091382110

Option 1 ID : 4410095459634

Option 2 ID : 4410095459635

Option 3 ID : 4410095459632

Option 4 ID : 4410095459633

Status : Answered

Chosen Option : 4

Q.2 ਸਿੰਘ ਸਭਾ ਕਦੋਂ ਸਥਾਪਿਤ ਕੀਤੀ ਗਈ ਸੀ?

Ans ☒ 1. 1885 ਵਿੱਚ

☒ 2. 1873 ਵਿੱਚ

☒ 3. 1905 ਵਿੱਚ

☒ 4. 1849 ਵਿੱਚ

Question ID : 4410091376362

Option 1 ID : 4410095437006

Option 2 ID : 4410095437005

Option 3 ID : 4410095437007

Option 4 ID : 4410095437004

Status : Not Answered

Chosen Option : --

Q.3 ਹੇਠ ਲਿਖਿਆਂ ਵਿਚੋਂ ਕਿਹੜਾ ਸ਼ਬਦ 'ਬਦ' ਅਰੇਤਰ ਦਾ ਸਹੀ ਵਿਕਲਪ ਹੈ।

- Ans ☒ 1. ਬਦਸੂਰਤ
☐ 2. ਬਦਨ
☐ 3. ਬਦਲਾ
☐ 4. ਬਦਮਾਸ਼

Question ID : 4410091383951
Option 1 ID : 4410095466568
Option 2 ID : 4410095466571
Option 3 ID : 4410095466570
Option 4 ID : 4410095466569
Status : Answered
Chosen Option : 1

Q.4 ਹੇਠ ਲਿਖੇ ਵਿਕਲਪਾਂ ਵਿਚੋਂ ਸ਼ੁੱਧ ਸ਼ਬਦ ਦੀ ਚੋਣ ਕਰੋ:-

- Ans ☐ 1. ਸਾਹਰਗ
☐ 2. ਕਮਾਉ
☐ 3. ਸਰੀਧ
☒ 4. ਸ਼ਾਹਰੰਗ

Question ID : 441009261294
Option 1 ID : 4410091018302
Option 2 ID : 4410091018304
Option 3 ID : 4410091018301
Option 4 ID : 4410091018303
Status : Answered
Chosen Option : 4

Q.5 ਕਾਮਾ ਕਦੋਂ ਵਰਤਿਆਂ ਜਾਂਦਾ ਹੈ?

- Ans ☒ 1. ਵਾਕ ਵਿਚ ਥੋੜ੍ਹੇ ਜਿਹੇ ਠਹਿਰਾਅ ਲਈ
☐ 2. ਕੇਵਲ ਵਾਕ ਦੀ ਸ਼ੁਰੂਆਤ ਵਿਚ
☐ 3. ਵਾਕ ਦੇ ਅੰਤ ਤੇ
☐ 4. ਪੂਰਨ ਵਿਰਾਮ ਦੇਣ ਲਈ

Question ID : 4410091384453
Option 1 ID : 4410095468587
Option 2 ID : 4410095468586
Option 3 ID : 4410095468585
Option 4 ID : 4410095468584
Status : Answered
Chosen Option : 1

Q.6 'Fertile' ਸ਼ਬਦ ਦਾ ਸਹੀ ਪੰਜਾਬੀ ਰੂਪ ਹੈ:

- Ans ☒ 1. ਉਪਜਾਊ
☐ 2. ਕੰਡਿਆਲਾ
☐ 3. ਨਰਮ
☐ 4. ਹੇਤਲਾ

Question ID : 4410091385336
Option 1 ID : 4410095472081
Option 2 ID : 4410095472083
Option 3 ID : 4410095472082
Option 4 ID : 4410095472080
Status : Answered
Chosen Option : 1

Q.7 ਸੱਚੀ-ਖੱਕੀ ਕੀ ਹੈ?

- Ans
- ☒ 1. ਲੋਕ-ਰਸਮ
 - ☒ 2. ਲੋਕ-ਖੇਡ
 - ☒ 3. ਲੋਕ-ਪਕਵਾਨ
 - ☒ 4. ਲੋਕ-ਕਹਾਣੀ

Question ID : 4410091622635
Option 1 ID : 4410096409317
Option 2 ID : 4410096409318
Option 3 ID : 4410096409316
Option 4 ID : 4410096409319
Status : Answered
Chosen Option : 2

Q.8 ਹੇਠ ਲਿਖੇ ਵਿਕਲਪਾਂ ਵਿਚੋਂ ਸ਼ੁੱਧ ਸ਼ਬਦ ਜੋੜ ਦੀ ਚੋਣ ਕਰੋ:

- Ans
- ☒ 1. ਬਾਦਸ਼ਾਹ
 - ☒ 2. ਬਾਦਸ਼ਾਅ
 - ☒ 3. ਬਾਧਸ਼ਾਹ
 - ☒ 4. ਬਾਦਸ਼ਾ

Question ID : 4410091367449
Option 1 ID : 4410095401244
Option 2 ID : 4410095401242
Option 3 ID : 4410095401241
Option 4 ID : 4410095401243
Status : Answered
Chosen Option : 1

Q.9 'ਅਧਿਕ' ਸ਼ਬਦ ਦਾ ਵਿਰੋਧੀ ਸ਼ਬਦ ਚੁਣੋ

- Ans
- ☒ 1. ਵੱਧ
 - ☒ 2. ਵਧੇਰੇ
 - ☒ 3. ਲਾਗਾ
 - ☒ 4. ਅਲਪ

Question ID : 4410091372709
Option 1 ID : 4410095422270
Option 2 ID : 4410095422271
Option 3 ID : 4410095422273
Option 4 ID : 4410095422272
Status : Answered
Chosen Option : 4

Q.10 ਕਪਾਲ ਕ੍ਰਿਆ ਕੀ ਹੈ?

- Ans
- ☒ 1. ਗਹਿਣਾ
 - ☒ 2. ਰਸਮ
 - ☒ 3. ਲੋਕ ਨਾਚ
 - ☒ 4. ਖੇਡ

Question ID : 4410091384049
Option 1 ID : 4410095466956
Option 2 ID : 4410095466959
Option 3 ID : 4410095466958
Option 4 ID : 4410095466957
Status : Answered
Chosen Option : 2

Q.11 ਗੁਰੂ ਨਾਨਕ ਦੇਵ ਜੀ ਦੁਆਰਾ ਕਿੰਨੇ ਰਾਗਾਂ ਵਿੱਚ ਬਾਣੀ ਦੀ ਰਚਨਾ ਕੀਤੀ ਗਈ -

- Ans ☒ 1. 22
☒ 2. 19
☒ 3. 31
☒ 4. 18

Question ID : 4410091373211
 Option 1 ID : 4410095424266
 Option 2 ID : 4410095424263
 Option 3 ID : 4410095424265
 Option 4 ID : 4410095424264
 Status : Not Answered
 Chosen Option : --

Q.12 'ਸੁਆਗਤ ਕਰਨ' ਨਾਲ ਸੰਬੰਧਤ ਕਿਹੜਾ ਮੁਹਾਵਰਾ ਵਰਤਿਆ ਜਾਂਦਾ ਹੈ?

- Ans ☒ 1. ਠੰਢੀਆਂ ਛਾਂਵਾਂ ਮਾਣਨਾ
☒ 2. ਤੇਲ ਚੋਣਾ
☒ 3. ਦਮਗਜੇ ਮਾਰਨੇ
☒ 4. ਗੰਢ ਲੈਣਾ

Question ID : 4410091371251
 Option 1 ID : 4410095416419
 Option 2 ID : 4410095416417
 Option 3 ID : 4410095416416
 Option 4 ID : 4410095416418
 Status : Answered
 Chosen Option : 2

Q.13 ਪਰਉਪਕਾਰ ਸ਼ਬਦ ਵਿੱਚ ਅਰਥ ਹੈ:

- Ans ☒ 1. ਪਰ
☒ 2. ਉਪ
☒ 3. ਕਰ
☒ 4. ਪ

Question ID : 4410091377629
 Option 1 ID : 4410095442078
 Option 2 ID : 4410095442079
 Option 3 ID : 4410095442077
 Option 4 ID : 4410095442080
 Status : Answered
 Chosen Option : 1

Q.14 ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਅਨੁਸਾਰ ਸ਼ੁੱਧ ਸ਼ਬਦ ਚੁਣੋ।

- Ans ☒ 1. ਚਾਤੁਰ
☒ 2. ਚਾਤਿਰ
☒ 3. ਚਤੁਰ
☒ 4. ਚਤਰ

Question ID : 4410091371310
 Option 1 ID : 4410095416654
 Option 2 ID : 4410095416653
 Option 3 ID : 4410095416655
 Option 4 ID : 4410095416656
 Status : Answered
 Chosen Option : 3

Q.15 ਹੇਠ ਲਿਖਿਆਂ ਵਿਚੋਂ 'ਉਦਾਸ' ਸ਼ਬਦ ਦਾ ਸਮਾਨਾਰਥਕ ਚੁਣੋ:-

- Ans
- ☒ 1. ਮਾਯੂਸ
 - ☒ 2. ਸੁੰਨ
 - ☒ 3. ਖੁਸ਼
 - ☒ 4. ਜਟਿਲ

Question ID : 4410091376675

Option 1 ID : 4410095438253

Option 2 ID : 4410095438252

Option 3 ID : 4410095438254

Option 4 ID : 4410095438251

Status : Answered

Chosen Option : 1

Q.16 ਜਿਹੜੇ ਸ਼ਬਦ ਮਰਦਾਵੇਂ ਜਾਂ ਨਰ ਭੇਦ ਨੂੰ ਪ੍ਰਗਟ ਕਰਨ, ਉਹਨਾਂ ਨੂੰ ਕੀ ਕਿਹਾ ਜਾਂਦਾ ਹੈ?

- Ans
- ☒ 1. ਪੁਲਿੰਗ
 - ☒ 2. ਇਸਤਰੀ-ਲਿੰਗ
 - ☒ 3. ਲਿੰਗ
 - ☒ 4. ਪੜਨਾਵ

Question ID : 4410091385687

Option 1 ID : 4410095473469

Option 2 ID : 4410095473470

Option 3 ID : 4410095473468

Option 4 ID : 4410095473471

Status : Answered

Chosen Option : 1

Q.17 'ਗੁੱਸਾ' ਸ਼ਬਦ ਦਾ ਸਮਾਨਾਰਥਕ ਸ਼ਬਦ ਹੈ:-

- Ans
- ☒ 1. ਚੁੱਸਾ
 - ☒ 2. ਬੁਰਾ
 - ☒ 3. ਕਹਿਰ
 - ☒ 4. ਹਾਨੀਕਾਰਕ

Question ID : 441009256419

Option 1 ID : 441009999566

Option 2 ID : 441009999563

Option 3 ID : 441009999565

Option 4 ID : 441009999564

Status : Answered

Chosen Option : 3

Q.18 ਹੇਠ ਦਿੱਤੇ ਸ਼ਬਦਾਂ ਵਿੱਚੋਂ ਸ਼ੁੱਧ ਸ਼ਬਦ ਦੀ ਚੋਣ ਕਰੋ।

- Ans
- ☒ 1. ਤੀਵੀਂ
 - ☒ 2. ਵਿਯਾ
 - ☒ 3. ਜੇਹੜਾ
 - ☒ 4. ਵਦੀਆਂ

Question ID : 441009267305

Option 1 ID : 4410091038473

Option 2 ID : 4410091038474

Option 3 ID : 4410091038472

Option 4 ID : 4410091038471

Status : Answered

Chosen Option : 1

Q.19 'Plough' ਸ਼ਬਦ ਦਾ ਸ਼ੁੱਧ ਪੰਜਾਬੀ ਰੂਪ ਕੀ ਹੈ?

- Ans ☒ 1. ਹੱਲ
- ☒ 2. ਹਲ਼
- ☒ 3. ਹਿਲ
- ☒ 4. ਹਾਲ

Question ID : 4410091385764
Option 1 ID : 4410095473774
Option 2 ID : 4410095473773
Option 3 ID : 4410095473772
Option 4 ID : 4410095473771
Status : Answered
Chosen Option : 2

Q.20 ਗੁਰੂ ਰਾਮਦਾਸ ਜੀ ਦਾ ਜਨਮ ਕਦੋਂ ਹੋਇਆ ?

- Ans ☒ 1. 1563
- ☒ 2. 1534
- ☒ 3. 1581
- ☒ 4. 1604

Question ID : 4410091380417
Option 1 ID : 4410095452869
Option 2 ID : 4410095452868
Option 3 ID : 4410095452867
Option 4 ID : 4410095452866
Status : Not Answered
Chosen Option : --

Section : General Knowledge And Awareness

Q.1 Which of the following neighbouring countries shares the longest land boundary with India, based on the officially recognized international border length?

- Ans ☒ 1. Nepal
- ☒ 2. China
- ☒ 3. Bangladesh
- ☒ 4. Pakistan

Question ID : 4410091438025
Option 1 ID : 4410095680798
Option 2 ID : 4410095680800
Option 3 ID : 4410095680799
Option 4 ID : 4410095680797
Status : Answered
Chosen Option : 2

Q.2 What type of carbohydrate is contained in starch?

- Ans ☒ 1. Polysaccharides
☐ 2. Oligosaccharides
☐ 3. Monosaccharides
☐ 4. Disaccharides

Question ID : 441009615899
Option 1 ID : 4410092417768
Option 2 ID : 4410092417767
Option 3 ID : 4410092417765
Option 4 ID : 4410092417766
Status : Not Answered
Chosen Option : --

Q.3 Who among the following appoints the Attorney General of India?

- Ans ☐ 1. The Law Minister of India
☐ 2. The Prime Minister of India
☒ 3. The President of India
☐ 4. The Chief Justice of India

Question ID : 441009324162
Option 1 ID : 4410091262853
Option 2 ID : 4410091262852
Option 3 ID : 4410091262851
Option 4 ID : 4410091262854
Status : Answered
Chosen Option : 4

Q.4 Approximately _____ of all the flowering plant species in India are found in the Western Ghats.

- Ans ☒ 1. one-third
☐ 2. one-fourth
☐ 3. half
☐ 4. two-third

Question ID : 441009319338
Option 1 ID : 4410091243627
Option 2 ID : 4410091243628
Option 3 ID : 4410091243626
Option 4 ID : 4410091243629
Status : Answered
Chosen Option : 2

Q.5 Who won the Laureus World Sportswoman of the Year award at the 2025 ceremony?

- Ans ☐ 1. Serena Williams
☐ 2. Rebeca Andrade
☒ 3. Simone Biles
☐ 4. Lamine Yamal

Question ID : 4410091470636
Option 1 ID : 4410095810471
Option 2 ID : 4410095810474
Option 3 ID : 4410095810472
Option 4 ID : 4410095810473
Status : Not Answered
Chosen Option : --

Q.6 The executive power of the Union vests formally in _____ as per the Indian Constitution.

- Ans ☒ 1. the Speaker of the Lok Sabha
- ☒ 2. the President
- ☒ 3. the Prime minister
- ☒ 4. the Governor

Question ID : 44100996139
Option 1 ID : 441009382590
Option 2 ID : 441009382592
Option 3 ID : 441009382591
Option 4 ID : 441009382593
Status : Answered
Chosen Option : 1

Q.7 Who founded the Namdhari Sect on 12th April, 1857 at Bhaini Sahib?

- Ans ☒ 1. Baba Ram Singh
- ☒ 2. Guru Hari Singh
- ☒ 3. Bhagat Jawar Mal
- ☒ 4. Satguru Ram Singh

Question ID : 4410091439862
Option 1 ID : 4410095688098
Option 2 ID : 4410095688099
Option 3 ID : 4410095688097
Option 4 ID : 4410095688096
Status : Answered
Chosen Option : 4

Q.8 On 08 April 2025, the Inter AIIMS Referral Portal was launched in which of the following locations?

- Ans ☒ 1. AIIMS Jodhpur
- ☒ 2. AIIMS Bhopal
- ☒ 3. AIIMS Delhi
- ☒ 4. AIIMS Darbhanga

Question ID : 441009219696
Option 1 ID : 441009862084
Option 2 ID : 441009862082
Option 3 ID : 441009862081
Option 4 ID : 441009862083
Status : Not Answered
Chosen Option : --

Q.9 Which of the following statements about DNA double helix structure is NOT correct?

- Ans ☒ 1. It was proposed by Watson and Crick.
- ☒ 2. Its diameter is 20 angstrom.
- ☒ 3. Adenine base is paired with Guanine.
- ☒ 4. The two strands of the DNA double helix are held together by hydrogen bonds between nitrogenous bases on opposite strands.

Question ID : 441009625740
Option 1 ID : 4410092457092
Option 2 ID : 4410092457093
Option 3 ID : 4410092457095
Option 4 ID : 4410092457094
Status : Answered
Chosen Option : 4

Q.10 In which of the following cities is the Gun Carriage Factory located?

- Ans ☒ 1. Solapur
- ☒ 2. Jabalpur
- ☒ 3. Raipur
- ☒ 4. Udaipur

Question ID : 441009626437
Option 1 ID : 4410092459900
Option 2 ID : 4410092459902
Option 3 ID : 4410092459903
Option 4 ID : 4410092459901
Status : Not Answered
Chosen Option : --

Section : Logical Reasoning Quantitative Aptitude

Q.1 What percentage of the numbers from 1 to 80 have 1 or 2 in the unit's digit?

- Ans ☒ 1. 4%
- ☒ 2. 21%
- ☒ 3. 5%
- ☒ 4. 20%

Question ID : 441009857663
Option 1 ID : 4410093383625
Option 2 ID : 4410093383627
Option 3 ID : 4410093383626
Option 4 ID : 4410093383624
Status : Answered
Chosen Option : 1

Q.2 At an amusement park, three shuttle carts depart from the same station and travel around a circular loop of 600 m in circumference, all moving in the same direction. Cart A travels at 20 m/s, Cart B at 30 m/s, and Cart C at 50 m/s. Starting together from the station, after how many seconds will all three be back at the station together for the first time?

- Ans ☒ 1. 30
- ☒ 2. 120
- ☒ 3. 60
- ☒ 4. 20

Question ID : 4410091300982
Option 1 ID : 4410095136233
Option 2 ID : 4410095136235
Option 3 ID : 4410095136234
Option 4 ID : 4410095136232
Status : Answered
Chosen Option : 3

Q.3 Find the value of $9^2 - (125 \div 25) + 12$.

- Ans ☒ 1. 88
- ☐ 2. 74
- ☐ 3. 93
- ☐ 4. 76

Question ID : 441009900539
Option 1 ID : 4410093556227
Option 2 ID : 4410093556229
Option 3 ID : 4410093556226
Option 4 ID : 4410093556228
Status : Answered
Chosen Option : 1

Q.4 Select the correct option that indicates the arrangement of the given words in a logical and meaningful order.

- 1. Toss
- 2. Ground Selection
- 3. Playing the Match
- 4. Winning
- 5. Celebration

- Ans ☐ 1. 2, 3, 1, 4, 5
- ☐ 2. 1, 2, 3, 4, 5
- ☐ 3. 2, 1, 4, 3, 5
- ☒ 4. 2, 1, 3, 4, 5

Question ID : 4410091236430
Option 1 ID : 4410094879299
Option 2 ID : 4410094879297
Option 3 ID : 4410094879300
Option 4 ID : 4410094879298
Status : Answered
Chosen Option : 4

Q.5 In a certain code language,
'A + B' means 'A is the son of B',
'A - B' means 'A is the brother of B',
'A × B' means 'A is the wife of B' and
'A ÷ B' means 'A is the father of B'.
How is D related to J if 'D + F × G ÷ H - J'?

- Ans ☒ 1. Brother
- ☐ 2. Son
- ☐ 3. Father
- ☐ 4. Husband

Question ID : 441009781481
Option 1 ID : 4410093079927
Option 2 ID : 4410093079930
Option 3 ID : 4410093079928
Option 4 ID : 4410093079929
Status : Answered
Chosen Option : 1

Q.6 Which of the given letter-number clusters will replace the question mark (?) in the following series to make it logically complete?

LOS16 JMQ81 HKO256 FIM625 ?

- Ans
- ☒ 1. DFL2423
 - ☒ 2. CFJ1000
 - ☒ 3. DGK1296
 - ☒ 4. EHL1200

Question ID : 441009793325
Option 1 ID : 4410093127302
Option 2 ID : 4410093127300
Option 3 ID : 4410093127299
Option 4 ID : 4410093127301
Status : Answered
Chosen Option : 3

Q.7 If 'A' stands for '+', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', what will come in place of the question mark (?) in the following equation?

18 D 30 A 6 C 2 B 5 = ?

- Ans
- ☒ 1. 23
 - ☒ 2. 20
 - ☒ 3. 17
 - ☒ 4. 13

Question ID : 441009603353
Option 1 ID : 4410092368532
Option 2 ID : 4410092368531
Option 3 ID : 4410092368530
Option 4 ID : 4410092368529
Status : Answered
Chosen Option : 1

Q.8 A rectangular banner measures 8 cm by 98 cm. A square banner is to be printed with the same area. What should be the side length (in cm) of the square?

- Ans
- ☒ 1. 14
 - ☒ 2. 49
 - ☒ 3. 20
 - ☒ 4. 28

Question ID : 4410091299513
Option 1 ID : 4410095130617
Option 2 ID : 4410095130620
Option 3 ID : 4410095130618
Option 4 ID : 4410095130619
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 21; that of c, d and e is 31; that of e and f is 14 and that of c and e is 14. Find the average of a, b, c, d, e and f.

- Ans ☒ 1. 26
- ☐ 2. 25
- ☐ 3. 23
- ☐ 4. 27

Question ID : 441009544130
Option 1 ID : 4410092131916
Option 2 ID : 4410092131918
Option 3 ID : 4410092131919
Option 4 ID : 4410092131917
Status : Not Answered
Chosen Option : --

Q.10 What should come in place of the question mark (?) in the given series based on the English alphabetical order?
AWSM, PLHB, EAWQ, TPLF, ?

- Ans ☐ 1. IAYU
- ☐ 2. IERT
- ☒ 3. IEAU
- ☐ 4. IRTY

Question ID : 441009251938
Option 1 ID : 441009981679
Option 2 ID : 441009981677
Option 3 ID : 441009981676
Option 4 ID : 441009981678
Status : Answered
Chosen Option : 2

Section : General English

Q.1 Identify the correct meaning of the highlighted word.

He gave a very **concise** summary of the report, which helped everyone understand the main points quickly.

- Ans ☐ 1. lengthy
- ☐ 2. confusing
- ☐ 3. detailed
- ☒ 4. brief

Question ID : 4410091274033
Option 1 ID : 4410095028171
Option 2 ID : 4410095028173
Option 3 ID : 4410095028172
Option 4 ID : 4410095028174
Status : Answered
Chosen Option : 4

Q.2 Fill in the blank with the correct option.

I wanted to go for a walk, ___ it started raining heavily

- Ans
- ☒ 1. although
 - ☒ 2. while
 - ☒ 3. but
 - ☒ 4. because

Question ID : 4410091273772
Option 1 ID : 4410095027128
Option 2 ID : 4410095027129
Option 3 ID : 4410095027126
Option 4 ID : 4410095027127
Status : Answered
Chosen Option : 3

Q.3 Fill in the blank with the correct option.

The professor gave a ___ explanation that clarified everything.

- Ans
- ☒ 1. clear
 - ☒ 2. deep
 - ☒ 3. complex
 - ☒ 4. smart

Question ID : 4410091273692
Option 1 ID : 4410095026805
Option 2 ID : 4410095026802
Option 3 ID : 4410095026804
Option 4 ID : 4410095026803
Status : Answered
Chosen Option : 1

Q.4 A statement has been given with highlighted text. You are required to replace the text with the correct idiom from the options.

The CEO was furious when the project failed, but she decided to **accept the consequences calmly**.

- Ans
- ☒ 1. break the ice
 - ☒ 2. let the cat out of the bag
 - ☒ 3. face the music
 - ☒ 4. thumb her nose

Question ID : 4410091273952
Option 1 ID : 4410095027848
Option 2 ID : 4410095027849
Option 3 ID : 4410095027847
Option 4 ID : 4410095027850
Status : Answered
Chosen Option : 3

Q.5 A statement has been given with highlighted text. You are required to replace the text with the correct idiom from the options.

She **revealed the secret accidentally**, even though she promised to stay silent.

- Ans ☒ 1. hit the sack
☒ 2. broke the ice
☒ 3. spilled the beans
☒ 4. bit the bullet

Question ID : 4410091273932
Option 1 ID : 4410095027768
Option 2 ID : 4410095027769
Option 3 ID : 4410095027767
Option 4 ID : 4410095027770
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 with a strong desire to travel and explore the world

- Ans ☒ 1. Commuter
☒ 2. Wanderlust
☒ 3. Nomad
☒ 4. Pilgrim

Question ID : 441009436658
Option 1 ID : 4410091706151
Option 2 ID : 4410091706150
Option 3 ID : 4410091706153
Option 4 ID : 4410091706152
Status : Answered
Chosen Option : 1

Q.7 In the given question, a sentence is divided into different segments. The first segment (S1) is in the correct order, the other segments are jumbled up. Arrange the segments in the correct order to form a meaningful and coherent sentence.

(S1) She persevered
(P) but still managed to succeed
(Q) despite facing numerous challenges
(R) her goals
(S) in achieving

- Ans ☒ 1. RSPQ
☒ 2. SPRQ
☒ 3. PQRS
☒ 4. QPSR

Question ID : 441009434963
Option 1 ID : 4410091699372
Option 2 ID : 4410091699373
Option 3 ID : 4410091699370
Option 4 ID : 4410091699371
Status : Answered
Chosen Option : 4

Comprehension:

Read the passage and answer the following questions.

Peer pressure refers to the influence exerted by a group on an individual to adopt certain behaviors, values, or attitudes in order to fit in. It is especially common among teenagers, who often seek approval and acceptance from their peers. While peer pressure can sometimes be positive—such as encouraging good study habits or participation in healthy activities—it is more often associated with negative behaviors.

Negative peer pressure may lead individuals to engage in risky or harmful actions, such as substance abuse, cheating, or breaking rules, simply to gain social acceptance. Many young people struggle to say no in these situations due to fear of rejection or judgment. Learning to resist peer pressure requires confidence, strong values, and support from trusted adults or friends. Schools and families play a crucial role in helping students develop decision-making skills and self-esteem.

By promoting open communication and respect for individuality, society can empower young people to make choices based on their own beliefs rather than group expectations.

SubQuestion No : 8

Q.8 Select an appropriate title for the passage.

- Ans ☒ 1. How to make friends
- ☒ 2. Teenagers and their problems
- ☒ 3. Peer pressure and its impact
- ☒ 4. Social media

Question ID : 4410091274106
Option 1 ID : 4410095028467
Option 2 ID : 4410095028470
Option 3 ID : 4410095028468
Option 4 ID : 4410095028469
Status : Answered
Chosen Option : 3

Comprehension:

Read the passage and answer the following questions.

Peer pressure refers to the influence exerted by a group on an individual to adopt certain behaviors, values, or attitudes in order to fit in. It is especially common among teenagers, who often seek approval and acceptance from their peers. While peer pressure can sometimes be positive—such as encouraging good study habits or participation in healthy activities—it is more often associated with negative behaviors.

Negative peer pressure may lead individuals to engage in risky or harmful actions, such as substance abuse, cheating, or breaking rules, simply to gain social acceptance. Many young people struggle to say no in these situations due to fear of rejection or judgment. Learning to resist peer pressure requires confidence, strong values, and support from trusted adults or friends. Schools and families play a crucial role in helping students develop decision-making skills and self-esteem.

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SubQuestion No : 9

Q.9 Identify the tone of the passage.

- Ans ☒ 1. Critical
- ☒ 2. Aggressive
- ☒ 3. Humorous
- ☒ 4. Informative

Question ID : 4410091274107
Option 1 ID : 4410095028473
Option 2 ID : 4410095028474
Option 3 ID : 4410095028472
Option 4 ID : 4410095028471
Status : Answered
Chosen Option : 4

Comprehension:

Read the passage and answer the following questions.

Peer pressure refers to the influence exerted by a group on an individual to adopt certain behaviors, values, or attitudes in order to fit in. It is especially common among teenagers, who often seek approval and acceptance from their peers. While peer pressure can sometimes be positive—such as encouraging good study habits or participation in healthy activities—it is more often associated with negative behaviors.

Negative peer pressure may lead individuals to engage in risky or harmful actions, such as substance abuse, cheating, or breaking rules, simply to gain social acceptance. Many young people struggle to say no in these situations due to fear of rejection or judgment. Learning to resist peer pressure requires confidence, strong values, and support from trusted adults or friends. Schools and families play a crucial role in helping students develop decision-making skills and self-esteem.

By promoting open communication and respect for individuality, society can empower young people to make choices based on their own beliefs rather than group expectations.

SubQuestion No : 10

Q.10 Identify the structure of the passage.

- Ans ☒ 1. Exemplification
- ☒ 2. Problem and solution
- ☒ 3. Compare and contrast
- ☒ 4. Cause and effect

Question ID : 4410091274108
Option 1 ID : 4410095028478
Option 2 ID : 4410095028475
Option 3 ID : 4410095028477
Option 4 ID : 4410095028476
Status : Answered
Chosen Option : 4