



बिहार विद्यालय परीक्षा समिति
BIHAR SCHOOL EXAMINATION BOARD

Exam Name	STET Exam 2025
Paper	Paper II
Roll No	
Participant Name	
Test Center Name	Aadarsh Pariksha Kendra Bhagalpur
Test Date	16/11/2025
Test Time	9:00 AM - 11:30 AM

Section : Part I Physics(214)

Q.1 The first law of thermodynamics is may be written in usual symbols as

Ans

A. $ds = T dQ$

B. $dU = TDS$

C. $dQ = dU + P dV$

D. $dU = dQ + PdV$

Question Type : MCQ

Question ID : 43357610065

Option 1 ID : 43357640257

Option 2 ID : 43357640258

Option 3 ID : 43357640259

Option 4 ID : 43357640260

Status : Answered

Chosen Option : D

Q.2 The relative permeability of a medium is 0.075. What is the magnetic susceptibility?

- Ans A. 0.92500000000000004
 B. -0.925
 C. 1.075
 D. -1.075

Question Type : MCQ
Question ID : 43357610176
Option 1 ID : 43357640701
Option 2 ID : 43357640702
Option 3 ID : 43357640703
Option 4 ID : 43357640704
Status : Answered
Chosen Option : D

Q.3 An electric fuse is based on

- Ans A. the heating effect of the current
 B. the chemical effect of the current
 C. the magnetic effect of the current
 D. non of these

Question Type : MCQ
Question ID : 43357610226
Option 1 ID : 43357640901
Option 2 ID : 43357640902
Option 3 ID : 43357640903
Option 4 ID : 43357640904
Status : Answered
Chosen Option : A

Q.4 How does the angle at which diffraction minima occur change as the wavelength of light is increased

- Ans A. The angle increases
 B. The angle decreases
 C. The angle remains the same
 D. The angle becomes zero

Question Type : MCQ
Question ID : 43357610114
Option 1 ID : 43357640453
Option 2 ID : 43357640454
Option 3 ID : 43357640455
Option 4 ID : 43357640456
Status : Answered
Chosen Option : A

Q.5 Two resistors of resistances 2Ω and 4Ω when connected with a battery will have

- Ans
- A. same current flowing through them when connected in parallel.
 - B. same current flowing through them when connected in series.
 - C. same potential difference across them when connected in series.
 - D. different potential differences when connected in parallel.

Question Type : MCQ
Question ID : 43357610193
Option 1 ID : 43357640769
Option 2 ID : 43357640770
Option 3 ID : 43357640771
Option 4 ID : 43357640772
Status : Answered
Chosen Option : B

Q.6 Two thin lenses of power +12 and -2 diopters are placed in contact the focal length of the combination is -

- Ans
- A. 8.33 Cm
 - B. 10.00 Cm
 - C. 12.50 Cm
 - D. None of these

Question Type : MCQ
Question ID : 43357610121
Option 1 ID : 43357640481
Option 2 ID : 43357640482
Option 3 ID : 43357640483
Option 4 ID : 43357640484
Status : Answered
Chosen Option : B

Q.7 The magnetic field lines due to a straight wire carrying a current are

- Ans
- A. straight
 - B. circular
 - C. parabolic
 - D. elliptical

Question Type : MCQ
Question ID : 43357610218
Option 1 ID : 43357640869
Option 2 ID : 43357640870
Option 3 ID : 43357640871
Option 4 ID : 43357640872
Status : Answered
Chosen Option : D

Q.8 The correct relation between electric displacement D, electric field E and polarization P is

- Ans
- A. $E = \epsilon_0 D + P$
 - B. $P = \epsilon_0 E + P$
 - C. $D = \epsilon_0 E + P$
 - D. $P = E + D$

Question Type : MCQ

Question ID : 43357610087

Option 1 ID : 43357640345

Option 2 ID : 43357640346

Option 3 ID : 43357640347

Option 4 ID : 43357640348

Status : Answered

Chosen Option : C

Q.9 In the state of weightlessness, a capillary tube is dipped in water, then water

- Ans
- A. Will not rise at all
 - B. Will rise to same height as at atmospheric pressure
 - C. Will rise to less height than at atmospheric pressure
 - D. Will rise up to the upper end of the capillary tube of any length

Question Type : MCQ

Question ID : 43357610165

Option 1 ID : 43357640657

Option 2 ID : 43357640658

Option 3 ID : 43357640659

Option 4 ID : 43357640660

Status : Answered

Chosen Option : B

Q.10 The thermo dynamical relation expressing the change of temperature with value at constant entropy is (where symbols have their usual meaning)

Ans

A. $\left(\frac{dT}{dV}\right)_S = -T \left(\frac{dP}{dQ}\right)_V$

B. $\left(\frac{dT}{dV}\right)_S = T \left(\frac{dP}{dQ}\right)_V$

C. $\left(\frac{dT}{dV}\right)_S = -V \left(\frac{dP}{dQ}\right)_T$

D. none of these

Question Type : MCQ

Question ID : 43357610064

Option 1 ID : 43357640253

Option 2 ID : 43357640254

Option 3 ID : 43357640255

Option 4 ID : 43357640256

Status : Answered

Chosen Option : A

Q.11 The product of resistivity and conductivity of a cylindrical conductor depends on

Ans

A. temperature

B. material

C. area of cross section

D. none of these.

Question Type : MCQ

Question ID : 43357610204

Option 1 ID : 43357640813

Option 2 ID : 43357640814

Option 3 ID : 43357640815

Option 4 ID : 43357640816

Status : Answered

Chosen Option : D

Q.12 Which of the following factors affects the surface energy of a liquid?

- Ans
- A. Temperature
 - B. Pressure
 - C. Volume
 - D. Density

Question Type : MCQ
Question ID : 43357610052
Option 1 ID : 43357640205
Option 2 ID : 43357640206
Option 3 ID : 43357640207
Option 4 ID : 43357640208
Status : Answered
Chosen Option : A

Q.13 Which of the following maxwell's equations represents Ampere's law for electricity

- Ans
- A. $\nabla \cdot \vec{B} = 0$
 - B. $\nabla \cdot \vec{E} = \frac{\rho}{\epsilon_0}$
 - C. $\nabla \times \vec{E} = \frac{\delta \vec{B}}{\delta t}$
 - D. none of these

Question Type : MCQ
Question ID : 43357610097
Option 1 ID : 43357640385
Option 2 ID : 43357640386
Option 3 ID : 43357640387
Option 4 ID : 43357640388
Status : Answered
Chosen Option : B

Q.14 Which of the following measures will decrease the strength of the magnetic field of a current carrying solenoid?

- Ans
- A. Increase the temperature of the solenoid
 - B. Increase the current
 - C. Increase the number of turns of wire
 - D. All of these

Question Type : MCQ
Question ID : 43357610224
Option 1 ID : 43357640893
Option 2 ID : 43357640894
Option 3 ID : 43357640895
Option 4 ID : 43357640896
Status : Answered
Chosen Option : D

Q.15 Which gate is known as the universal logic gate?

- Ans
- A. NAND
 - B. OR
 - C. AND
 - D. None of these

Question Type : MCQ
Question ID : 43357610151
Option 1 ID : 43357640601
Option 2 ID : 43357640602
Option 3 ID : 43357640603
Option 4 ID : 43357640604
Status : Answered
Chosen Option : A

Q.16 Through which mode of propagation, the radio waves can be sent from one place to another-

- Ans
- A. Ground wave propagation
 - B. Sky wave propagation
 - C. Space Wave propagation
 - D. All of the above

Question Type : MCQ
Question ID : 43357610155
Option 1 ID : 43357640617
Option 2 ID : 43357640618
Option 3 ID : 43357640619
Option 4 ID : 43357640620
Status : Answered
Chosen Option : D

Q.17 If white light is used in Young's double slit experiment, then the central fringe will be

- Ans
- A. Red
 - B. Coloured
 - C. White
 - D. Blue

Question Type : MCQ
Question ID : 43357610129
Option 1 ID : 43357640513
Option 2 ID : 43357640514
Option 3 ID : 43357640515
Option 4 ID : 43357640516
Status : Answered
Chosen Option : D

Q.18 Kirchoff's current law state that the sum of currents intering a junction equal to the sum of current

- Ans
- A. exiting through the junction
 - B. flowing through the resistors
 - C. circulating in the loop
 - D. flowing through the capacitors

Question Type : MCQ
Question ID : 43357610103
Option 1 ID : 43357640409
Option 2 ID : 43357640410
Option 3 ID : 43357640411
Option 4 ID : 43357640412
Status : Answered
Chosen Option : A

Q.19 Which of the following is correct about Fraunhofer diffraction?

- Ans
- A. Wavefronts are planar
 - B. Wavefronts are spherical
 - C. Wavefronts are cylindrical
 - D. All of these

Question Type : MCQ
Question ID : 43357610117
Option 1 ID : 43357640465
Option 2 ID : 43357640466
Option 3 ID : 43357640467
Option 4 ID : 43357640468
Status : Answered
Chosen Option : D

Q.20 According to Einstein's explanation of the Photoelectric effect, what is the energy of a photon of light?

- Ans
- A. Inverely proportional to the frequency of light
 - B. Directly proportional to the intensity of light
 - C. Inversely proportional to the intensity of light
 - D. Directly proportional to the frequency of light

Question Type : MCQ
Question ID : 43357610124
Option 1 ID : 43357640493
Option 2 ID : 43357640494
Option 3 ID : 43357640495
Option 4 ID : 43357640496
Status : Answered
Chosen Option : B

Q.21 The directions of the propagation vector k and the Poynting vector S for an electromagnetic wave are

- Ans
- A. parallel to each other
 - B. anti-parallel to each-other
 - C. normal to each other
 - D. any other angle

Question Type : MCQ
Question ID : 43357610098
Option 1 ID : 43357640389
Option 2 ID : 43357640390
Option 3 ID : 43357640391
Option 4 ID : 43357640392
Status : Answered
Chosen Option : C

Q.22 Electric current is measured by

- Ans
- A. a voltmeter
 - B. an ammeter
 - C. a potentiometer
 - D. an anemometer

Question Type : MCQ
Question ID : 43357610190
Option 1 ID : 43357640757
Option 2 ID : 43357640758
Option 3 ID : 43357640759
Option 4 ID : 43357640760
Status : Answered
Chosen Option : B

Q.23 Which type of feedback is used in case of an oscillator circuit?

- Ans
- A. Positive
 - B. Negative
 - C. Unity
 - D. None of these

Question Type : MCQ
Question ID : 43357610148
Option 1 ID : 43357640589
Option 2 ID : 43357640590
Option 3 ID : 43357640591
Option 4 ID : 43357640592
Status : Answered
Chosen Option : C

Q.24 A moving charge produces

- Ans
- A. electric field only
 - B. magnetic field only
 - C. electric and magnetic field both
 - D. none of them

Question Type : MCQ
Question ID : 43357610232
Option 1 ID : 43357640925
Option 2 ID : 43357640926
Option 3 ID : 43357640927
Option 4 ID : 43357640928
Status : Answered
Chosen Option : C

Q.25 If the time period of a satellite moving near the Earth surface is T and the time period of a simple pendulum of infinite is T' , then

- Ans
- A. $T=T'$
 - B. $T>T'$
 - C. $T<T'$
 - D. None of these

Question Type : MCQ
Question ID : 43357610157
Option 1 ID : 43357640625
Option 2 ID : 43357640626
Option 3 ID : 43357640627
Option 4 ID : 43357640628
Status : Answered
Chosen Option : A

Q.26 The resistivity does not change if

- Ans
- A. the material is changed
 - B. the temperature is changed
 - C. the shape of the resistor is changed
 - D. both material and temperature are changed

Question Type : MCQ
Question ID : 43357610184
Option 1 ID : 43357640733
Option 2 ID : 43357640734
Option 3 ID : 43357640735
Option 4 ID : 43357640736
Status : Answered
Chosen Option : C

Q.27 Melting point of Ethanol is ____

- Ans
- A. -114° C
 - B. 0° C
 - C. 1063° C
 - D. -29° C

Question Type : MCQ
Question ID : 43357610055
Option 1 ID : 43357640217
Option 2 ID : 43357640218
Option 3 ID : 43357640219
Option 4 ID : 43357640220
Status : Answered
Chosen Option : D

Q.28 A contact angle greater than 90° indicates that the liquid -

- Ans
- A. strongly wets the solid surface
 - B. does not wet the solid surface well
 - C. forms a perfect sphere on the solid surface
 - D. spreads evenly on the solid surface

Question Type : MCQ
Question ID : 43357610053
Option 1 ID : 43357640209
Option 2 ID : 43357640210
Option 3 ID : 43357640211
Option 4 ID : 43357640212
Status : Answered
Chosen Option : B

Q.29 Lez's law helps to determine

- Ans
- A. The magnitude of the induced current
 - B. The direction of the induced current
 - C. The speed of the moving magnet
 - D. The energy of the magnetic field

Question Type : MCQ
Question ID : 43357610095
Option 1 ID : 43357640377
Option 2 ID : 43357640378
Option 3 ID : 43357640379
Option 4 ID : 43357640380
Status : Answered
Chosen Option : A

Q.30 Uhlenbeck and Goudsmit introduced the concept of

- Ans
- A. Electron spin
 - B. Electron charge
 - C. Proton spin
 - D. Neutron spin

Question Type : MCQ
Question ID : 43357610138
Option 1 ID : 43357640549
Option 2 ID : 43357640550
Option 3 ID : 43357640551
Option 4 ID : 43357640552
Status : Answered
Chosen Option : D

Q.31 (i) When a small amount of pentavalent impurity is added to a pure semiconductor, its known as n-type semiconductor.
(ii) When a small amount of trivalent impurity is added to a Pure semiconductor, it is Called P-type semiconductor.

- Ans
- A. Statement (i) is Correct
 - B. Statement (ii) is Correct
 - C. both Statement (i) & (ii) are Correct
 - D. both Statement (i) & (ii) are incorrect

Question Type : MCQ
Question ID : 43357610134
Option 1 ID : 43357640533
Option 2 ID : 43357640534
Option 3 ID : 43357640535
Option 4 ID : 43357640536
Status : Answered
Chosen Option : D

Q.32 The work done on a unit positive charge in bringing it from infinity to any point is called

- Ans
- A. intensity at that point
 - B. electric potential at that point
 - C. electric potential at that infinity
 - D. electric intensity at infinity

Question Type : MCQ
Question ID : 43357610088
Option 1 ID : 43357640349
Option 2 ID : 43357640350
Option 3 ID : 43357640351
Option 4 ID : 43357640352
Status : Answered
Chosen Option : B

Q.33 The net resistance of a voltmeter should be large to ensure that

- Ans
- A. it does not get overheated
 - B. the readings fall within the scale
 - C. it can measure large potential differences
 - D. it does not appreciably change the potential difference to be measured.

Question Type : MCQ

Question ID : 43357610212

Option 1 ID : 43357640845

Option 2 ID : 43357640846

Option 3 ID : 43357640847

Option 4 ID : 43357640848

Status : Answered

Chosen Option : C

Q.34 Which of the following occurs without a change in the internal energy?

- Ans
- A. Isochoric process
 - B. Isobaric process
 - C. Steady-state process
 - D. Isothermal process

Question Type : MCQ

Question ID : 43357610058

Option 1 ID : 43357640229

Option 2 ID : 43357640230

Option 3 ID : 43357640231

Option 4 ID : 43357640232

Status : Answered

Chosen Option : D

Q.35 The variation of magnetic flux with time in a closed circuit of resistance 10 ohm, in usual notations, is given by, $\phi = 6t^2 - t + 5$. The induced current in the circuit at $t = 0.25$ sec is ____

- Ans
- A. 0.6 A
 - B. 0.2 A
 - C. 0.8 A
 - D. 1.2 A

Question Type : MCQ

Question ID : 43357610104

Option 1 ID : 43357640413

Option 2 ID : 43357640414

Option 3 ID : 43357640415

Option 4 ID : 43357640416

Status : Answered

Chosen Option : B

Q.36 A battery of 6 V and internal resistance of 0.5 ohm is joined in parallel with another battery of 10 V and internal resistance 10 ohm. The combination send a current through an external resistance of 12 ohm . If I_1 and I_2 be the currents given by two batteries , then the current through each Battery is ? or $I_1 = ?$ and $I_2 = ?$

- Ans
- A. $I_1 = -2.27\text{ A}$, $I_2 = 2.865\text{ A}$
 - B. $I_1 = 2.865\text{ A}$ $I_2 = 2.27\text{ A}$
 - C. $I_1 = 6\text{ A}$, $I_2 = 10\text{ A}$
 - D. None of these.

Question Type : MCQ
Question ID : 43357610183
Option 1 ID : 43357640729
Option 2 ID : 43357640730
Option 3 ID : 43357640731
Option 4 ID : 43357640732
Status : Answered
Chosen Option : C

Q.37 If a current gain of a transistor is 0.98. What is the value of β current gain of the transistor.....

- Ans
- A. 0.49
 - B. 4.9000000000000004
 - C. 5
 - D. 49

Question Type : MCQ
Question ID : 43357610146
Option 1 ID : 43357640581
Option 2 ID : 43357640582
Option 3 ID : 43357640583
Option 4 ID : 43357640584
Status : Answered
Chosen Option : A

Q.38 In a balanced see-saw, the moment of sorce on either side of the pivot point are

- Ans
- A. Equal in magnitude but opposite in direction
 - B. Equal in direction but opposite in magnitude
 - C. Different in magnitude and direction
 - D. None of these

Question Type : MCQ
Question ID : 43357610043
Option 1 ID : 43357640169
Option 2 ID : 43357640170
Option 3 ID : 43357640171
Option 4 ID : 43357640172
Status : Answered
Chosen Option : A

Q.39 The potential at a point P due to a charge of 4×10^{-7} C located 9 cm away is ____

- Ans
- A. 8×10^4 V
 - B. 4×10^4 V
 - C. 36×10^4 V
 - D. None of these

Question Type : MCQ
Question ID : 43357610079
Option 1 ID : 43357640313
Option 2 ID : 43357640314
Option 3 ID : 43357640315
Option 4 ID : 43357640316
Status : Answered
Chosen Option : C

Q.40is used exclusively for the filaments of the bulbs.

- Ans
- A. Copper
 - B. Aluminium
 - C. Silver
 - D. Tungsten

Question Type : MCQ
Question ID : 43357610187
Option 1 ID : 43357640745
Option 2 ID : 43357640746
Option 3 ID : 43357640747
Option 4 ID : 43357640748
Status : Answered
Chosen Option : D

Q.41 A 2 kg block is placed on a horizontal plane which has unknown friction co-efficient, μ . When a force of 10 N is applied at 60 degree below horizontal, the block is on the verge of sliding. Then

- Ans
- A. the co-efficient of friction μ is $(4-\sqrt{3}/13)$
 - B. The normal contact force is $5\sqrt{3}$ N
 - C. The force of friction is less than 5 N
 - D. None of these

Question Type : MCQ
Question ID : 43357610045
Option 1 ID : 43357640177
Option 2 ID : 43357640178
Option 3 ID : 43357640179
Option 4 ID : 43357640180
Status : Answered
Chosen Option : A

Q.42 The property of a circuit that converts electrical energy into heat is called

- Ans A. electromotive force
 B. current
 C. voltage
 D. resistance

Question Type : MCQ
Question ID : 43357610108
Option 1 ID : 43357640429
Option 2 ID : 43357640430
Option 3 ID : 43357640431
Option 4 ID : 43357640432
Status : Answered
Chosen Option : A

Q.43 A magnetic field can exert force on a

- Ans A. moving magnet
 B. stationary magnet
 C. moving charge
 D. all of these

Question Type : MCQ
Question ID : 43357610220
Option 1 ID : 43357640877
Option 2 ID : 43357640878
Option 3 ID : 43357640879
Option 4 ID : 43357640880
Status : Answered
Chosen Option : D

Q.44 When a Pure Semiconductor is heat, is resistance

- Ans A. Goes up
 B. Goes down
 C. Remains the same
 D. Cannot Say

Question Type : MCQ
Question ID : 43357610135
Option 1 ID : 43357640537
Option 2 ID : 43357640538
Option 3 ID : 43357640539
Option 4 ID : 43357640540
Status : Answered
Chosen Option : B

Q.45 Which of the following is found using Lenz's law?

- Ans
- A. Induced emf
 - B. Induced current
 - C. The direction of induced emf
 - D. The direction of alternating current

Question Type : MCQ
Question ID : 43357610178
Option 1 ID : 43357640709
Option 2 ID : 43357640710
Option 3 ID : 43357640711
Option 4 ID : 43357640712
Status : Answered
Chosen Option : A

Q.46 Fibre optics cable used in communication works on the principle of

- Ans
- A. regular reflection of light
 - B. diffuse reflection of light
 - C. refraction of light
 - D. total internal reflection of light

Question Type : MCQ
Question ID : 43357610100
Option 1 ID : 43357640397
Option 2 ID : 43357640398
Option 3 ID : 43357640399
Option 4 ID : 43357640400
Status : Answered
Chosen Option : D

Q.47 What do we call the maximum velocity of a fluid in a tube for which the flow remains streamlined?

- Ans
- A. Lamellar velocity
 - B. critical velocity
 - C. Streamlined velocity
 - D. Hyper velocity

Question Type : MCQ
Question ID : 43357610158
Option 1 ID : 43357640629
Option 2 ID : 43357640630
Option 3 ID : 43357640631
Option 4 ID : 43357640632
Status : Answered
Chosen Option : B

Q.48 Barkhausen criterion for oscillator stability is-

Ans

A. $A\beta=0$

B. $A = \frac{1}{\beta^2}$

C. $A\beta = 1$

D. $A = \frac{1}{\text{sqrt}(\beta)}$

Question Type : MCQ

Question ID : 43357610149

Option 1 ID : 43357640593

Option 2 ID : 43357640594

Option 3 ID : 43357640595

Option 4 ID : 43357640596

Status : Answered

Chosen Option : C

Q.49 The temperature of 5 kg of air raised by 1° at constant volume. If $C_p=999 \text{ J Kg}^{-1}\text{K}^{-1}$ and $\gamma=5/3$ increase in its internal energy is -

Ans

A. 2997 J

B. 5667 J

C. 999J

D. None of these

Question Type : MCQ

Question ID : 43357610061

Option 1 ID : 43357640241

Option 2 ID : 43357640242

Option 3 ID : 43357640243

Option 4 ID : 43357640244

Status : Answered

Chosen Option : A

Q.50 In a Young's double slit experiment let S_1 and S_2 be the two slits and C be the center of the screen. If $\angle S_1CS_2 = \theta$ and λ is the wave length of light, the fringe width will be-

- Ans
- A. λ/θ
 - B. $\lambda\theta$
 - C. $2\lambda/\theta$
 - D. $\theta/2\lambda$

Question Type : MCQ
Question ID : 43357610120
Option 1 ID : 43357640477
Option 2 ID : 43357640478
Option 3 ID : 43357640479
Option 4 ID : 43357640480
Status : Answered
Chosen Option : D

Q.51 A magnetic material of susceptibility 3×10^{-4} , and magnetic intensity is $4 \times 10^{-4} \text{ Am}^{-1}$. Then the magnetization in unit of Am^{-1} is

- Ans
- A. 12×10^{-8}
 - B. 0.75×10^{-8}
 - C. 1.33×10^{-8}
 - D. 14×10^{-8}

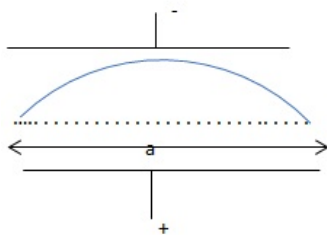
Question Type : MCQ
Question ID : 43357610177
Option 1 ID : 43357640705
Option 2 ID : 43357640706
Option 3 ID : 43357640707
Option 4 ID : 43357640708
Status : Answered
Chosen Option : A

Q.52 What is the length of a simple pendulum, which ticks seconds?

- Ans
- A. 50 cm
 - B. 200 cm
 - C. 100 cm
 - D. None of these

Question Type : MCQ
Question ID : 43357610068
Option 1 ID : 43357640269
Option 2 ID : 43357640270
Option 3 ID : 43357640271
Option 4 ID : 43357640272
Status : Answered
Chosen Option : A

Q.53 The Plates of a parallel plate capacitor are squares of edge 'a' and separated by 'd'. An electron is projected from mid-point at an end and displaces by 'a' without touching the plates, the maximum angle of projection is



Ans

- A. $\tan^{-1}\left(\frac{d}{a}\right)$
- B. $\tan^{-1}\left(\frac{2d}{a}\right)$
- C. $\cot^{-1}\left(\frac{2d}{a}\right)$
- D. None of these

Question Type : MCQ

Question ID : 43357610044

Option 1 ID : 43357640173

Option 2 ID : 43357640174

Option 3 ID : 43357640175

Option 4 ID : 43357640176

Status : Answered

Chosen Option : B

Q.54 The value of magnetic field at a distance of 2 cm from a very long straight wire carrying a current of 5 A?

Ans

- A. $5 \times 10^{-5} \text{ T}$
- B. $10 \times 10^{-5} \text{ T}$
- C. $5 \times 10^{-4} \text{ T}$
- D. $15 \times 10^{-6} \text{ T}$

Question Type : MCQ

Question ID : 43357610175

Option 1 ID : 43357640697

Option 2 ID : 43357640698

Option 3 ID : 43357640699

Option 4 ID : 43357640700

Status : Answered

Chosen Option : B

Q.55 An Electric current can be produced in a closed loop

- Ans
- A. by connecting it to battery, but not by moving a magnet near it
 - B. by moving a magnet near it, but not by connecting it to a battery
 - C. by connecting it to a battery, as well as by moving a magnet near it
 - D. neither by connecting it to a battery nor by moving a magnet near it.

Question Type : MCQ
Question ID : 43357610214
Option 1 ID : 43357640853
Option 2 ID : 43357640854
Option 3 ID : 43357640855
Option 4 ID : 43357640856
Status : Answered
Chosen Option : C

Q.56 When is a fluid called turbulent?

- Ans
- A. High viscosity of fluid
 - B. Reynolds number is greater than 4000
 - C. Reynolds number is less than 2000
 - D. The density of the fluid is low

Question Type : MCQ
Question ID : 43357610162
Option 1 ID : 43357640645
Option 2 ID : 43357640646
Option 3 ID : 43357640647
Option 4 ID : 43357640648
Status : Answered
Chosen Option : B

Q.57 The Zeroth law of thermodynamics based on which parameter?

- Ans
- A. Temperature
 - B. Pressure
 - C. Density
 - D. Velocity

Question Type : MCQ
Question ID : 43357610056
Option 1 ID : 43357640221
Option 2 ID : 43357640222
Option 3 ID : 43357640223
Option 4 ID : 43357640224
Status : Answered
Chosen Option : A

Q.58 How much does the phase change when a wave is reflected from the boundary of a rod wall -

- Ans
- A. 0
 - B. $\pi/2$
 - C. $\pi/4$
 - D. π

Question Type : MCQ
Question ID : 43357610071
Option 1 ID : 43357640281
Option 2 ID : 43357640282
Option 3 ID : 43357640283
Option 4 ID : 43357640284
Status : Answered
Chosen Option : B

Q.59 As the temperature of a metallic resistor is increased, the product of its resistivity and conductivity

- Ans
- A. increases
 - B. decreases
 - C. remains constant
 - D. may increase or decrease

Question Type : MCQ
Question ID : 43357610205
Option 1 ID : 43357640817
Option 2 ID : 43357640818
Option 3 ID : 43357640819
Option 4 ID : 43357640820
Status : Answered
Chosen Option : C

Q.60 Huygens' wave theory of light cannot explain

- Ans
- A. Diffraction phenomena
 - B. Interference phenomena
 - C. Photoelectric effect
 - D. Polarization of light

Question Type : MCQ
Question ID : 43357610125
Option 1 ID : 43357640497
Option 2 ID : 43357640498
Option 3 ID : 43357640499
Option 4 ID : 43357640500
Status : Answered
Chosen Option : C

Q.61 Magnetic field lines determine

- Ans
- A. only the direction of the field
 - B. the relative strength of the field
 - C. both the relative strength and the direction of the field
 - D. only the shape of the field

Question Type : MCQ
Question ID : 43357610225
Option 1 ID : 43357640897
Option 2 ID : 43357640898
Option 3 ID : 43357640899
Option 4 ID : 43357640900
Status : Answered
Chosen Option : C

Q.62 The square of the magnitude of the wave function is called

- Ans
- A. current density
 - B. probability density
 - C. zero density
 - D. volume density

Question Type : MCQ
Question ID : 43357610142
Option 1 ID : 43357640565
Option 2 ID : 43357640566
Option 3 ID : 43357640567
Option 4 ID : 43357640568
Status : Answered
Chosen Option : A

Q.63 The binary number 10101 is equivalent to decimal number_____

- Ans
- A. 19
 - B. 12
 - C. 27
 - D. 21

Question Type : MCQ
Question ID : 43357610140
Option 1 ID : 43357640557
Option 2 ID : 43357640558
Option 3 ID : 43357640559
Option 4 ID : 43357640560
Status : Answered
Chosen Option : D

Q.64 In a transistor

- Ans
- A. $I_C = I_E + I_B$
 - B. $I_B = I_C + I_E$
 - C. $I_E = I_C + I_B$
 - D. $I_E = I_C + I_B$

Question Type : MCQ

Question ID : 43357610139

Option 1 ID : 43357640553

Option 2 ID : 43357640554

Option 3 ID : 43357640555

Option 4 ID : 43357640556

Status : Answered

Chosen Option : D

Q.65 In a LCR circuit the sharpness of resonance curve ____

- Ans
- A. Decreases with the increase of the inductance L
 - B. Decreases with the decrease of the capacitance C
 - C. does not depend upon the values of L, C, R
 - D. Decreases with the increase of the resistance R

Question Type : MCQ

Question ID : 43357610075

Option 1 ID : 43357640297

Option 2 ID : 43357640298

Option 3 ID : 43357640299

Option 4 ID : 43357640300

Status : Answered

Chosen Option : B

Q.66 A resistor of resistance R is connected to an ideal battery. If the value of R is decreased, the power dissipated in the resistor will

- Ans
- A. increase
 - B. decrease
 - C. remain unchanged
 - D. decrease then remain unchanged

Question Type : MCQ

Question ID : 43357610207

Option 1 ID : 43357640825

Option 2 ID : 43357640826

Option 3 ID : 43357640827

Option 4 ID : 43357640828

Status : Answered

Chosen Option : B

Q.67 In amplitude modulation, the bandwidth is

- Ans
- A. equal to the signal frequency
 - B. twice the signal frequency
 - C. thrice the signal frequency
 - D. four times the signal frequency

Question Type : MCQ

Question ID : 43357610154

Option 1 ID : 43357640613

Option 2 ID : 43357640614

Option 3 ID : 43357640615

Option 4 ID : 43357640616

Status : Answered

Chosen Option : B

Q.68 In an electrical circuit two resistors 2Ω and 4Ω respectively are connected in series to a 6 V battery. The heat dissipated by the 4Ω resistor in 5 s will be

- Ans
- A. 5 J
 - B. 10 J
 - C. 20 J
 - D. 30 J

Question Type : MCQ

Question ID : 43357610195

Option 1 ID : 43357640777

Option 2 ID : 43357640778

Option 3 ID : 43357640779

Option 4 ID : 43357640780

Status : Answered

Chosen Option : C

Q.69 The energies of electron liberated by light depend on the of the light

- Ans
- A. speed
 - B. Velocity
 - C. Frequency
 - D. Mass

Question Type : MCQ

Question ID : 43357610122

Option 1 ID : 43357640485

Option 2 ID : 43357640486

Option 3 ID : 43357640487

Option 4 ID : 43357640488

Status : Answered

Chosen Option : B

Q.70 Two resistors R and 2R are connected in series in an electric circuit. The thermal energy developed in R and 2R are in the ratio.

- Ans
- A. 1:2
 - B. 2:1
 - C. 1:4
 - D. 4:1

Question Type : MCQ
Question ID : 43357610208
Option 1 ID : 43357640829
Option 2 ID : 43357640830
Option 3 ID : 43357640831
Option 4 ID : 43357640832
Status : Answered
Chosen Option : B

Q.71 An electric current of 3 A flows through a circuit for 20 minutes. What is the amount of charges flowing?

- Ans
- A. 60 C
 - B. 1 C
 - C. 3600 C
 - D. None of these.

Question Type : MCQ
Question ID : 43357610201
Option 1 ID : 43357640801
Option 2 ID : 43357640802
Option 3 ID : 43357640803
Option 4 ID : 43357640804
Status : Answered
Chosen Option : C

Q.72 A copper wire of length 2.2 m and a steel wire of length 1.6 m, both diameter 3.0 mm, are connected end to end. When stretched by a load, the net elongation is found to be 0.70 mm. The value of Applied load is ____

- Ans
- A. 4×10^2 N
 - B. 1.8 N
 - C. 1.8×10^2 N
 - D. None of these

Question Type : MCQ
Question ID : 43357610047
Option 1 ID : 43357640185
Option 2 ID : 43357640186
Option 3 ID : 43357640187
Option 4 ID : 43357640188
Status : Answered
Chosen Option : C

Q.73 Sound intensity is directly proportional to of wave amplitude.

- Ans A. square
 B. square root
 C. cube
 D. magnitude

Question Type : MCQ
Question ID : 43357610174
Option 1 ID : 43357640693
Option 2 ID : 43357640694
Option 3 ID : 43357640695
Option 4 ID : 43357640696
Status : Answered
Chosen Option : B

Q.74 Lenz's law is a consequence of the law of

- Ans A. conservation of charge
 B. conservation of momentum
 C. consevation of mass
 D. conservation of energy

Question Type : MCQ
Question ID : 43357610094
Option 1 ID : 43357640373
Option 2 ID : 43357640374
Option 3 ID : 43357640375
Option 4 ID : 43357640376
Status : Answered
Chosen Option : A

Q.75 Which of the following is not associated with Fleming's right-hand rule?

- Ans A. Magnetic field
 B. Movement
 C. Resistance
 D. Induced current

Question Type : MCQ
Question ID : 43357610221
Option 1 ID : 43357640881
Option 2 ID : 43357640882
Option 3 ID : 43357640883
Option 4 ID : 43357640884
Status : Answered
Chosen Option : C

Q.76 The scalar product of two vectors $a = (3\hat{i} - 4\hat{j} + 5\hat{k})$

and $b = (-2\hat{i} + \hat{j} - 3\hat{k})$ is _____

Ans

A. $(7\hat{i} - \hat{j} - 5\hat{k})$

B. 25

C. -25

D. None of these

Question Type : MCQ

Question ID : 43357610040

Option 1 ID : 43357640157

Option 2 ID : 43357640158

Option 3 ID : 43357640159

Option 4 ID : 43357640160

Status : Answered

Chosen Option : C

Q.77 An electric dipole is placed in a uniform electric field, its potential energy will be minimum when the angle between its axis and field is:

Ans

A. 2π

B. $\pi/2$

C. π

D. zero

Question Type : MCQ

Question ID : 43357610082

Option 1 ID : 43357640325

Option 2 ID : 43357640326

Option 3 ID : 43357640327

Option 4 ID : 43357640328

Status : Answered

Chosen Option : B

Q.78 If the diameter of a capillary tube is doubled, then the height of the liquid that will rise is

- Ans
- A. Double
 - B. Half
 - C. Same as earlier
 - D. Quarter

Question Type : MCQ
Question ID : 43357610166
Option 1 ID : 43357640661
Option 2 ID : 43357640662
Option 3 ID : 43357640663
Option 4 ID : 43357640664
Status : Answered
Chosen Option : D

Q.79 For an amplitude modulated wave, the maximum amplitude is found to be 10 V while the minimum amplitude is found to be 2 V. What is the value of modulation index m ?

- Ans
- A. 1/5
 - B. 2/3
 - C. 1
 - D. 1/2

Question Type : MCQ
Question ID : 43357610156
Option 1 ID : 43357640621
Option 2 ID : 43357640622
Option 3 ID : 43357640623
Option 4 ID : 43357640624
Status : Answered
Chosen Option : B

Q.80 Consider the following two statements:
(A) Kirchhoff's junction law follows from conservation of charge.
(B) Kirchhoff's loop law follows from conservative nature of electric field.

- Ans
- A. Both A and B are correct.
 - B. A is correct but B is wrong.
 - C. B is correct but A is wrong.
 - D. Both A and B are wrong.

Question Type : MCQ
Question ID : 43357610210
Option 1 ID : 43357640837
Option 2 ID : 43357640838
Option 3 ID : 43357640839
Option 4 ID : 43357640840
Status : Answered
Chosen Option : A

Q.81 Stokes' Law is used to determine the

- Ans
- A. Viscosity of a fluid
 - B. Terminal velocity of a spherical object in a fluid
 - C. pressure difference across a fluid
 - D. Buoyant force on an object in a fluid

Question Type : MCQ
Question ID : 43357610051
Option 1 ID : 43357640201
Option 2 ID : 43357640202
Option 3 ID : 43357640203
Option 4 ID : 43357640204
Status : Answered
Chosen Option : D

Q.82 Parallel currents ____and anti-parallel current ____.

- Ans
- A. Repel, attract
 - B. Attract, Attract
 - C. Repel , Repel
 - D. Attract, Repel

Question Type : MCQ
Question ID : 43357610081
Option 1 ID : 43357640321
Option 2 ID : 43357640322
Option 3 ID : 43357640323
Option 4 ID : 43357640324
Status : Answered
Chosen Option : D

Q.83 What is the moment of inertia of a disc about one of its diameters?

- Ans
- A. $MR^2/2$
 - B. $MR^2/4$
 - C. $2MR^2/5$
 - D. MR^2

Question Type : MCQ
Question ID : 43357610041
Option 1 ID : 43357640161
Option 2 ID : 43357640162
Option 3 ID : 43357640163
Option 4 ID : 43357640164
Status : Answered
Chosen Option : C

Q.84 Magnetic field lines

- Ans A. have one direction at a point
 B. have no physical reality
 C. can be used to indicate the direction of the magnetic field of a point
 D. all of these

Question Type : MCQ
Question ID : 43357610216
Option 1 ID : 43357640861
Option 2 ID : 43357640862
Option 3 ID : 43357640863
Option 4 ID : 43357640864
Status : Answered
Chosen Option : D

Q.85 The gyromagnetic ratio for electron spin is

- Ans A. 1/2
 B. 1/3
 C. 2
 D. 3

Question Type : MCQ
Question ID : 43357610133
Option 1 ID : 43357640529
Option 2 ID : 43357640530
Option 3 ID : 43357640531
Option 4 ID : 43357640532
Status : Answered
Chosen Option : B

Q.86 The resultant of two simple harmonic motion is done according to the superposition principle -

- Ans A. $y = y_1 - y_2$
 B. $y = y_1 + y_2$
 C. $y = y_1^2 + y_2^2$
 D. $y = y_1^2 - y_2^2$

Question Type : MCQ
Question ID : 43357610072
Option 1 ID : 43357640285
Option 2 ID : 43357640286
Option 3 ID : 43357640287
Option 4 ID : 43357640288
Status : Answered
Chosen Option : C

Q.87 The reflection coefficient in the wave propagation when it is transmitted with the Brewster angle is

- Ans
- A. 0
 - B. 1
 - C. -1
 - D. infinite

Question Type : MCQ

Question ID : 43357610099

Option 1 ID : 43357640393

Option 2 ID : 43357640394

Option 3 ID : 43357640395

Option 4 ID : 43357640396

Status : Answered

Chosen Option : C

Q.88 velocity of plane electro magnetic wave in vacuum is

- Ans
- A. $C = \sqrt{\frac{\mu_0}{\epsilon_0}}$
 - B. $\sqrt{\mu_0 \epsilon_0}$
 - C. $C = \frac{1}{\sqrt{\mu_0 \epsilon_0}}$
 - D. none of these

Question Type : MCQ

Question ID : 43357610091

Option 1 ID : 43357640361

Option 2 ID : 43357640362

Option 3 ID : 43357640363

Option 4 ID : 43357640364

Status : Answered

Chosen Option : C

Q.89 Bernoulli's theorem deals with the principles of:

- Ans
- A. Energy
 - B. Force
 - C. Mass
 - D. Momentum

Question Type : MCQ
Question ID : 43357610160
Option 1 ID : 43357640637
Option 2 ID : 43357640638
Option 3 ID : 43357640639
Option 4 ID : 43357640640
Status : Answered
Chosen Option : D

Q.90 A strong magnetic field B is applied to a stationary electron, then the electron will

- Ans
- A. move in the direction of B
 - B. move in the opposite direction of B
 - C. remain stationary
 - D. move perpendicular to B

Question Type : MCQ
Question ID : 43357610090
Option 1 ID : 43357640357
Option 2 ID : 43357640358
Option 3 ID : 43357640359
Option 4 ID : 43357640360
Status : Answered
Chosen Option : D

Q.91 Electric field lines and equipotential lines are-

- Ans
- A. always orthogonal
 - B. Orthogonal only when electric field is uniform
 - C. orthogonal only when potential does not change
 - D. None of these

Question Type : MCQ
Question ID : 43357610084
Option 1 ID : 43357640333
Option 2 ID : 43357640334
Option 3 ID : 43357640335
Option 4 ID : 43357640336
Status : Answered
Chosen Option : A

Q.92 If radius of a capillary tube is increased by 5%, then the rate of flow of liquid will change nearly by:

- Ans
- A. +5%
 - B. -5%
 - C. +21.55%
 - D. -20%

Question Type : MCQ
Question ID : 43357610161
Option 1 ID : 43357640641
Option 2 ID : 43357640642
Option 3 ID : 43357640643
Option 4 ID : 43357640644
Status : Answered
Chosen Option : C

Q.93 Electromagnetic wave is

- Ans
- A. Transverse
 - B. Longitudinal
 - C. Both longitudinal or transverse
 - D. None of them

Question Type : MCQ
Question ID : 43357610106
Option 1 ID : 43357640421
Option 2 ID : 43357640422
Option 3 ID : 43357640423
Option 4 ID : 43357640424
Status : Answered
Chosen Option : C

Q.94 (i) The maxwell's electromagnetic wave are purely transvers and never longitudinal
(ii) plane electromagnetic waves follow the law of reflection just like light radiations.
Correct option is

- Ans
- A. only statemet (ii) is correct
 - B. only statement (ii) is correct
 - C. statement (i) & (ii) both are correct
 - D. statement (i) & (ii) both are incorrect

Question Type : MCQ
Question ID : 43357610092
Option 1 ID : 43357640365
Option 2 ID : 43357640366
Option 3 ID : 43357640367
Option 4 ID : 43357640368
Status : Answered
Chosen Option : B

Q.95 A Uniform plane square sheet of mass m is centered at the origin of an inertial frame.

The sheet is rotating about an axis passing through the origin. At an instant when all its

Vertices lie on x and y axes, the angular momentum is $\vec{L} = I_0 \omega_0 (2\hat{i} + \hat{j} + 2\hat{k})$, where

I_0 , x is the moment of inertia about the x axis. At this instant, the angular velocity of the sheet is

Ans

A. $(2\hat{i} + \hat{j} + 2\hat{k})\omega_0$

B. $(2\hat{i} + \hat{j} + \hat{k})\omega_0$

C. $(2\hat{i} + \hat{j})\omega_0$

D. $(\hat{i} + \hat{j})\omega_0$

Question Type : MCQ

Question ID : 43357610035

Option 1 ID : 43357640137

Option 2 ID : 43357640138

Option 3 ID : 43357640139

Option 4 ID : 43357640140

Status : Answered

Chosen Option : C

Q.96 A rectangular coil of copper wires is rotated in a magnetic field. The direction of induced current changes once in each.

Ans

A. two revolutions

B. one revolution

C. half revolution

D. one-fourth revolution

Question Type : MCQ

Question ID : 43357610229

Option 1 ID : 43357640913

Option 2 ID : 43357640914

Option 3 ID : 43357640915

Option 4 ID : 43357640916

Status : Answered

Chosen Option : C

Q.97 Which of the following are solutions of one - dimensional wave equation ?

(i) $y=7x-10t$

(ii) $y=2\sin x \cos vt$

- Ans
- A. only (i)
 - B. only (ii)
 - C. Both (i) and (ii)
 - D. Neither (i) nor (ii)

Question Type : MCQ

Question ID : 43357610070

Option 1 ID : 43357640277

Option 2 ID : 43357640278

Option 3 ID : 43357640279

Option 4 ID : 43357640280

Status : Answered

Chosen Option : C

Q.98 What is the maximum resistance which can be made using five resistors each of $1/5\Omega$?

- Ans
- A. $1/5\Omega$
 - B. 10Ω
 - C. 5Ω
 - D. 1Ω

Question Type : MCQ

Question ID : 43357610194

Option 1 ID : 43357640773

Option 2 ID : 43357640774

Option 3 ID : 43357640775

Option 4 ID : 43357640776

Status : Answered

Chosen Option : C

Q.99 Out of the three bulbs: 25 W, 60 W and 100 W, which bulb has least resistance?

- Ans
- A. 25 W bulb
 - B. 60 W bulb
 - C. 100 W bulb
 - D. all bulbs have equal resistances

Question Type : MCQ

Question ID : 43357610196

Option 1 ID : 43357640781

Option 2 ID : 43357640782

Option 3 ID : 43357640783

Option 4 ID : 43357640784

Status : Answered

Chosen Option : C

Q.100 Bohr radius for Hydrogen is $0.53 \text{ \AA}$. The ground state Bohr radius for He^+ ion will be

- Ans
- A. $1.06 \text{ \AA}$
 - B. $0.53 \text{ \AA}$
 - C. $0.265 \text{ \AA}$
 - D. $0.134 \text{ \AA}$

Question Type : MCQ

Question ID : 43357610131

Option 1 ID : 43357640521

Option 2 ID : 43357640522

Option 3 ID : 43357640523

Option 4 ID : 43357640524

Status : Answered

Chosen Option : B

Section : Part II

Q.101 मूल्यांकन का उद्देश्य शैक्षिक..... के बारे में निर्णय लेना है

- Ans
- A. मात्रा
 - B. गुणवत्ता
 - C. समय अवधि
 - D. आयु

Question Type : MCQ

Question ID : 4335764060

Option 1 ID : 43357616237

Option 2 ID : 43357616238

Option 3 ID : 43357616239

Option 4 ID : 43357616240

Status : Answered

Chosen Option : B

Q.102 छात्र-केंद्रित कक्षा _____ के लिए है

- Ans
- A. व्यक्तिगत मतभेदों को संबोधित करने के लिए
 - B. शिक्षक-उन्मुख व्याख्यानों को कम करने के लिए
 - C. पूर्व ज्ञान का स्मरण के लिए
 - D. पूरी कक्षा को संलग्न करने के लिए

Question Type : MCQ

Question ID : 4335763867

Option 1 ID : 43357615465

Option 2 ID : 43357615466

Option 3 ID : 43357615467

Option 4 ID : 43357615468

Status : Answered

Chosen Option : C

Q.103 _____ ने अभिनव परियोजना 'लोक जुं बिश पीपुल्स मूवमेंट फॉर एजुकेशन फॉर ऑल' शुरू की?

- Ans
- A. बिहार
 - B. मध्य प्रदेश
 - C. राजस्थान
 - D. उत्तर प्रदेश

Question Type : MCQ
Question ID : 4335764325
Option 1 ID : 43357617297
Option 2 ID : 43357617298
Option 3 ID : 43357617299
Option 4 ID : 43357617300
Status : Answered
Chosen Option : B

Q.104 मूल्यांकन का मुख्य उद्देश्य बनाना है:

- Ans
- A. मूल्य निर्धारण
 - B. राय
 - C. भविष्यवाणी
 - D. निर्णय

Question Type : MCQ
Question ID : 4335764143
Option 1 ID : 43357616569
Option 2 ID : 43357616570
Option 3 ID : 43357616571
Option 4 ID : 43357616572
Status : Answered
Chosen Option : B

Q.105 निम्नलिखित में से कौन सा सीखने का अर्थ है?

- Ans
- A. पूर्णता या विशेषज्ञता प्राप्त करना
 - B. ज्ञान की प्राप्ति
 - C. आत्मज्ञान
 - D. व्यवहार में परिवर्तन

Question Type : MCQ
Question ID : 4335764000
Option 1 ID : 43357615997
Option 2 ID : 43357615998
Option 3 ID : 43357615999
Option 4 ID : 43357616000
Status : Answered
Chosen Option : D

Q.106 शिक्षण में दृश्य-श्रव्य सहायता का उद्देश्य है

- Ans
- A. सीखने की प्रक्रिया में रुचि विकसित करना
 - B. विद्यार्थियों की समझ को बेहतर बनाना
 - C. छात्रों की अधिक से अधिक भागीदारी को बढ़ावा देना
 - D. इनमें सभी

Question Type : MCQ
Question ID : 4335764013
Option 1 ID : 43357616049
Option 2 ID : 43357616050
Option 3 ID : 43357616051
Option 4 ID : 43357616052
Status : Answered
Chosen Option : D

Q.107 यदि शिक्षक का प्रारंभिक वाक्य दिलचस्प है तो विद्यार्थी होंगे-

- Ans
- A. अशिष्ट
 - B. ध्यान देंगे
 - C. तेवर में
 - D. इनमें से कोई भी नहीं

Question Type : MCQ
Question ID : 4335763838
Option 1 ID : 43357615349
Option 2 ID : 43357615350
Option 3 ID : 43357615351
Option 4 ID : 43357615352
Status : Answered
Chosen Option : B

Q.108 बच्चों का मार्गदर्शन करने के लिए शिक्षक एक महत्वपूर्ण भूमिका निभा सकता है, बशर्ते एक शिक्षक के रूप में उसका दृष्टिकोण सही हो.....के प्रति

- Ans
- A. उनके सहकर्मी
 - B. उसके शिष्य
 - C. समाज
 - D. स्कूल

Question Type : MCQ
Question ID : 4335763967
Option 1 ID : 43357615865
Option 2 ID : 43357615866
Option 3 ID : 43357615867
Option 4 ID : 43357615868
Status : Answered
Chosen Option : B

Q.109 चिंतनशील स्तर पर शिक्षण की विधि है

- Ans
- A. शिक्षक केन्द्रित
 - B. शिक्षार्थी केन्द्रित
 - C. समस्या-समाधान केन्द्रित
 - D. विषय केन्द्रित

Question Type : MCQ
Question ID : 4335763407
Option 1 ID : 43357613625
Option 2 ID : 43357613626
Option 3 ID : 43357613627
Option 4 ID : 43357613628
Status : Answered
Chosen Option : C

Q.110 निम्नलिखित में से कौन सा अभिप्रेरित पाठ की विशेषता दर्शाता है?

- Ans
- A. कक्षा छोड़ दी गई है
 - B. शिक्षक कुछ गतिविधियों में भाग लेने के लिए विद्यार्थियों को छोड़ सकते हैं
 - C. यहां विद्यार्थियों द्वारा की जाने वाली विभिन्न प्रक्रियाएं और गतिविधियां दी गई हैं
 - D. बच्चों को कुछ करना है

Question Type : MCQ
Question ID : 4335763826
Option 1 ID : 43357615301
Option 2 ID : 43357615302
Option 3 ID : 43357615303
Option 4 ID : 43357615304
Status : Answered
Chosen Option : C

Q.111 प्रोजेक्ट आधारित शिक्षण में निम्नलिखित में से कौन सा सत्य है?

- Ans
- A. शिक्षक पर भार बहुत अधिक है
 - B. शिक्षक पर भार बहुत कम है
 - C. शिक्षक पर भार मध्यम है,
 - D. कोई भार नहीं है

Question Type : MCQ
Question ID : 4335764029
Option 1 ID : 43357616113
Option 2 ID : 43357616114
Option 3 ID : 43357616115
Option 4 ID : 43357616116
Status : Answered
Chosen Option : B

Q.112 Knowledge of internet

- Ans
- A. is harmful for the students
 - B. is beneficial for the students
 - C. makes students dependable and they lose their own ability
 - D. is not at all beneficial for the students

Question Type : MCQ
Question ID : 4335764031
Option 1 ID : 43357616121
Option 2 ID : 43357616122
Option 3 ID : 43357616123
Option 4 ID : 43357616124
Status : Answered
Chosen Option : B

Q.113 प्रकरण (टॉपिक) का चयन करने के बाद शिक्षक को चाहिए कि

- Ans
- A. थोड़ी देर आराम करें
 - B. पाठ की योजना बनाएँ
 - C. छात्र के मूल्यांकन पर ध्यान दें
 - D. छात्रों को जानकारी पहुंचाएँ

Question Type : MCQ
Question ID : 4335763418
Option 1 ID : 43357613669
Option 2 ID : 43357613670
Option 3 ID : 43357613671
Option 4 ID : 43357613672
Status : Answered
Chosen Option : B

Q.114 Which of the following is not considered approach in teaching tearing process?

- Ans
- A. Conceptual
 - B. Integrated
 - C. Autocratic
 - D. Process

Question Type : MCQ
Question ID : 4335763593
Option 1 ID : 43357614369
Option 2 ID : 43357614370
Option 3 ID : 43357614371
Option 4 ID : 43357614372
Status : Answered
Chosen Option : C

Q.115 The right sequence of sub-groups of psychomotor domain is

- Ans
- A. Perception, Set, Guided response, Mechanism, Complex overt response, adaptation, Origination
 - B. Perception, Complex overt response, Set, Guided response, Mechanism, adaptation, Organization
 - C. Set, Origination, Guided response, Mechanism Complex overt response, Adaptation, perception
 - D. Guided response, Mechanism, perception, Set, Adaptation, Organization, Complex overt response

Question Type : MCQ
Question ID : 4335763557
Option 1 ID : 43357614225
Option 2 ID : 43357614226
Option 3 ID : 43357614227
Option 4 ID : 43357614228
Status : Answered
Chosen Option : C

Q.116 पाठ्यचर्या है:

- Ans
- A. कोर्स
 - B. पाठ्यक्रम
 - C. पाठ्य-सहगामी गतिविधियाँ
 - D. किसी संस्था की समग्र गतिविधियाँ

Question Type : MCQ
Question ID : 4335764185
Option 1 ID : 43357616737
Option 2 ID : 43357616738
Option 3 ID : 43357616739
Option 4 ID : 43357616740
Status : Answered
Chosen Option : C

Q.117 पर्यवेक्षण प्राथमिक रूप से होना चाहिए

- Ans
- A. निजी और आलोचनात्मक
 - B. निवारक एवं सुधारात्मक
 - C. रचनात्मक और सृजनात्मक
 - D. निर्माण और आलोचनात्मक

Question Type : MCQ
Question ID : 4335763878
Option 1 ID : 43357615509
Option 2 ID : 43357615510
Option 3 ID : 43357615511
Option 4 ID : 43357615512
Status : Answered
Chosen Option : B

Q.118 सूक्ष्म शिक्षण का उद्देश्य है---

- Ans
- A. अनुरूपित स्थितियाँ बनाने के लिए
 - B. शैक्षणिक संस्थानों को मजबूत करना
 - C. छात्र के व्यवहार को परिवर्तित करना
 - D. शिक्षक के व्यवहार को परिवर्तित करना

Question Type : MCQ
Question ID : 4335763750
Option 1 ID : 43357614997
Option 2 ID : 43357614998
Option 3 ID : 43357614999
Option 4 ID : 43357615000
Status : Answered
Chosen Option : A

Q.119 शिक्षण रणनीति की अनुमोदक शैली में,

- Ans
- A. केवल शिक्षक ही शिक्षण में सक्रिय रहते हैं
 - B. केवल छात्र ही शिक्षण में सक्रिय रहते हैं
 - C. दोनों [ए] और [बी]
 - D. उपरोक्त में से कोई नहीं

Question Type : MCQ
Question ID : 4335763590
Option 1 ID : 43357614357
Option 2 ID : 43357614358
Option 3 ID : 43357614359
Option 4 ID : 43357614360
Status : Answered
Chosen Option : C

Q.120 संज्ञानात्मक क्षेत्र में सीखने का निम्नतम स्तर है

- Ans
- A. बोध
 - B. अनुप्रयोग
 - C. ज्ञान
 - D. संश्लेषण

Question Type : MCQ
Question ID : 4335763531
Option 1 ID : 43357614121
Option 2 ID : 43357614122
Option 3 ID : 43357614123
Option 4 ID : 43357614124
Status : Answered
Chosen Option : B

Q.121 सीखना हो सकता है:

- Ans
- A. औपचारिक
 - B. अनौपचारिक
 - C. औपचारिक और अनौपचारिक
 - D. इनमें से कोई नहीं

Question Type : MCQ

Question ID : 4335764242

Option 1 ID : 43357616965

Option 2 ID : 43357616966

Option 3 ID : 43357616967

Option 4 ID : 43357616968

Status : Answered

Chosen Option : C

Q.122 निम्नलिखित में से कौन से सीखने से संबंधित कारक हैं जो सीखने को प्रभावित करते हैं?

- (i). आकांक्षा और उपलब्धि के लिए शिक्षार्थी की प्रेरणा का स्तर
- (ii). शिक्षार्थी की तत्परता और इच्छा शक्ति
- (iii). शिक्षार्थी की बुनियादी योग्यता
- (iv). शिक्षार्थी का शारीरिक और मानसिक स्वास्थ्य
- (v). शिक्षक का व्यक्तित्व लक्षण एवं व्यवहार

- Ans
- A. (i), (ii), (v) केवल
 - B. (i), (ii), (iii) और (iv) केवल
 - C. केवल (iii) और (v)
 - D. केवल (iii), (iv) और (v)

Question Type : MCQ

Question ID : 4335764338

Option 1 ID : 43357617349

Option 2 ID : 43357617350

Option 3 ID : 43357617351

Option 4 ID : 43357617352

Status : Answered

Chosen Option : B

Q.123 इनमें से कौन सा रचनात्मक मूल्यांकन का लाभ है?

- Ans
- A. छात्रों के प्रदर्शन का एक व्यापक दृष्टिकोण प्रदान करता है
 - B. निर्देशात्मक निर्णयों और हस्तक्षेपों का मार्गदर्शन करता है
 - C. छात्रों के बीच तुलना के लिए अनुमति देता है
 - D. ज्ञान के दीर्घकालिक प्रतिधारण को मापता है

Question Type : MCQ

Question ID : 4335764125

Option 1 ID : 43357616497

Option 2 ID : 43357616498

Option 3 ID : 43357616499

Option 4 ID : 43357616500

Status : Answered

Chosen Option : A

Q.124 अन्वेषात्मक (ह्युरिस्टिक) का अर्थ है-

- Ans
- A. जांच करना
 - B. दिखाना
 - C. करना
 - D. कार्य करना

Question Type : MCQ

Question ID : 4335763652

Option 1 ID : 43357614605

Option 2 ID : 43357614606

Option 3 ID : 43357614607

Option 4 ID : 43357614608

Status : Answered

Chosen Option : A

Q.125 If a student does a visual presentation on an updated version or angle connected to a topic, he or she is

- Ans
- A. Comprehending
 - B. Applying
 - C. Synthesizing
 - D. Analyzing

Question Type : MCQ

Question ID : 4335763504

Option 1 ID : 43357614013

Option 2 ID : 43357614014

Option 3 ID : 43357614015

Option 4 ID : 43357614016

Status : Answered

Chosen Option : B

Q.126 भारत में सूक्ष्म शिक्षण मॉडल पर शोध कार्य प्रारम्भ करने का श्रेय जाता है -

- Ans
- A. उच्च शिक्षा संस्थान (आईएएसई) अजमेर
 - B. उच्च शिक्षा संस्थान (आईएएसई) बड़ौदा
 - C. उच्च शिक्षा संस्थान (आईएएसई) शिमला
 - D. उच्च शिक्षा संस्थान (आईएएसई) पुणे

Question Type : MCQ
Question ID : 4335763771
Option 1 ID : 43357615081
Option 2 ID : 43357615082
Option 3 ID : 43357615083
Option 4 ID : 43357615084
Status : Answered
Chosen Option : A

Q.127 गतिविधि में शामिल है

- Ans
- A. शारीरिक क्रिया
 - B. सामाजिक क्रिया
 - C. मानसिक क्रिया
 - D. शारीरिक, सामाजिक और मानसिक क्रिया

Question Type : MCQ
Question ID : 4335763656
Option 1 ID : 43357614621
Option 2 ID : 43357614622
Option 3 ID : 43357614623
Option 4 ID : 43357614624
Status : Answered
Chosen Option : D

Q.128 इनमें से कौन सा कथन एक प्रभावी शिक्षक के बारे में सत्य है?

- Ans
- A. उसे पक्षपाती होना चाहिए और अपने व्यक्तिगत विचारों के अनुसार शिक्षार्थियों को प्रभावित करने का प्रयास करना चाहिए
 - B. उसकी शिक्षा तब पूरी होती है जब उसे पढ़ाने के लिए प्रमाणित किया जाता है
 - C. उसे शिक्षार्थी की रुचियों, क्षमताओं और सीमाओं को ध्यान में नहीं रखना चाहिए
 - D. उसे मानव विकासात्मक पैटर्न को समझना चाहिए

Question Type : MCQ
Question ID : 4335763399
Option 1 ID : 43357613593
Option 2 ID : 43357613594
Option 3 ID : 43357613595
Option 4 ID : 43357613596
Status : Answered
Chosen Option : D

Q.129 Curriculum effectiveness is determined by:

- Ans
- A. Community cooperation
 - B. Teachers' competence
 - C. Students' interest
 - D. Quality of supervision

Question Type : MCQ

Question ID : 4335764229

Option 1 ID : 43357616913

Option 2 ID : 43357616914

Option 3 ID : 43357616915

Option 4 ID : 43357616916

Status : Answered

Chosen Option : C

Q.130 सूक्ष्म शिक्षण के भारतीय मॉडल की विशेषता यह नहीं है -

- Ans
- A. सूक्ष्म पाठ के पूरा होने के तुरंत बाद साथी छात्रों द्वारा अध्यापक शिक्षक को प्रतिपुष्टि दिया जाता है।
 - B. सूक्ष्म शिक्षण प्रक्रिया के दौरान ऑडियो कैसेट और वीडियो फिल्मों का उपयोग किया जाता है।
 - C. सूक्ष्म शिक्षण प्रक्रिया में सिमुलेटेड कक्षा का उपयोग किया जाता है।
 - D. सूक्ष्म शिक्षण के दौरान विद्यार्थी अध्यापक, अध्यापक, विद्यार्थी एवं पर्यवेक्षक की भूमिका निभाता है।

Question Type : MCQ

Question ID : 4335763773

Option 1 ID : 43357615089

Option 2 ID : 43357615090

Option 3 ID : 43357615091

Option 4 ID : 43357615092

Status : Answered

Chosen Option : C

Section : Part III

Q.131 निम्नलिखित में से कौन सा बस्तर क्षेत्र में स्थित है?

- Ans
- A. बांधवगढ़ राष्ट्रीय उद्यान
 - B. दांदेली अभयारण्य
 - C. राजाजी राष्ट्रीय उद्यान
 - D. इंद्रावती राष्ट्रीय उद्यान

Question Type : MCQ

Question ID : 4335764626

Option 1 ID : 43357618501

Option 2 ID : 43357618502

Option 3 ID : 43357618503

Option 4 ID : 43357618504

Status : Answered

Chosen Option : D

Q.132 If we rotate a right angled triangle of height 5 cm and base 3 cm about its height a full turn, we get.....

- Ans
- A. cone of height 5 cm, base diameter 3 cm
 - B. triangle of height 5 cm, base diameter 3 cm
 - C. cone of height 5 cm, base diameter 6 cm
 - D. triangle of height 5 cm, base diameter 6 cm

Question Type : MCQ
Question ID : 4335764673
Option 1 ID : 43357618689
Option 2 ID : 43357618690
Option 3 ID : 43357618691
Option 4 ID : 43357618692
Status : Answered
Chosen Option : C

Q.133 Five person are sitting in a row facing you in such a way that D is to the left of C and B is to the right of E, A is to the right of C and B is to the left of D, E is at one end of the row. Then who is sitting exactly in the middle of the row ?

- Ans
- A. A
 - B. B
 - C. C
 - D. D

Question Type : MCQ
Question ID : 4335764940
Option 1 ID : 43357619757
Option 2 ID : 43357619758
Option 3 ID : 43357619759
Option 4 ID : 43357619760
Status : Answered
Chosen Option : D

Q.134 यह मिट्टी में मौजूद सूक्ष्म पोषक तत्व नहीं है-----

- Ans
- A. लोहा
 - B. मैंगनीज
 - C. क्लोरीन
 - D. नाइट्रोजन

Question Type : MCQ
Question ID : 4335764577
Option 1 ID : 43357618305
Option 2 ID : 43357618306
Option 3 ID : 43357618307
Option 4 ID : 43357618308
Status : Answered
Chosen Option : C

Q.135 निम्नलिखित पर विचार करें:

1. पाइरोक्लास्टिक मलबा
2. राख और धूल
3. नाइट्रोजन यौगिक
4. सल्फर यौगिक

उपर्युक्त में से कितने ज्वालामुखी विस्फोट के उत्पाद हैं?

Ans

- A. केवल एक
- B. केवल दो
- C. केवल तीन
- D. सभी चार

Question Type : MCQ

Question ID : 4335764389

Option 1 ID : 43357617553

Option 2 ID : 43357617554

Option 3 ID : 43357617555

Option 4 ID : 43357617556

Status : Answered

Chosen Option : D

Q.136 In the given letter series what letter will come in place of the question Symbol.

KPL, ISH, GVD, ?

Ans

- A. EYZ
- B. FXZ
- C. ZYW
- D. EXZ

Question Type : MCQ

Question ID : 4335764869

Option 1 ID : 43357619473

Option 2 ID : 43357619474

Option 3 ID : 43357619475

Option 4 ID : 43357619476

Status : Answered

Chosen Option : A

Q.137 If Three Cubes of Metal of edges 6 cm, 8 cm, and 10 cm are melted and made into a single cube. What is the edge of the new cube so formed?

- Ans
- A. 92 cm
 - B. 24 cm
 - C. 18 cm
 - D. 12 cm

Question Type : MCQ
Question ID : 4335764736
Option 1 ID : 43357618941
Option 2 ID : 43357618942
Option 3 ID : 43357618943
Option 4 ID : 43357618944
Status : Answered
Chosen Option : D

Q.138 'बे ऑफ पिंग्स' शीतयुद्ध के दौरान किस संकट से सम्बन्धित है?

- Ans
- A. क्यूबन मिसाइल
 - B. हंगरी
 - C. कोरिया
 - D. स्वेज़ नहर

Question Type : MCQ
Question ID : 4335764482
Option 1 ID : 43357617925
Option 2 ID : 43357617926
Option 3 ID : 43357617927
Option 4 ID : 43357617928
Status : Answered
Chosen Option : A

Q.139 गोपाल ने गोविदा की ओर इशारा करते हुए कहा इसका पिता मेरे पिता मेरे पिता का इकलौता पुत्र है। गोपाल से गोविदा का क्या सम्बन्ध है?

- Ans
- A. भाई
 - B. पुत्र
 - C. दादा
 - D. पोता

Question Type : MCQ
Question ID : 4335764886
Option 1 ID : 43357619541
Option 2 ID : 43357619542
Option 3 ID : 43357619543
Option 4 ID : 43357619544
Status : Answered
Chosen Option : B

Q.140 _____ is the energy that is present in object due to its motion or position.

- Ans
- A. mechanical energy
 - B. light energy
 - C. heat energy
 - D. none of these

Question Type : MCQ
Question ID : 4335764544
Option 1 ID : 43357618173
Option 2 ID : 43357618174
Option 3 ID : 43357618175
Option 4 ID : 43357618176
Status : Answered
Chosen Option : A

Q.141 Choose the correct option instead of the question mark in the given question.

BEAR : DCCP :: MART : ?

- Ans
- A. NCTV
 - B. OCTV
 - C. OYTV
 - D. OYTR

Question Type : MCQ
Question ID : 4335764843
Option 1 ID : 43357619369
Option 2 ID : 43357619370
Option 3 ID : 43357619371
Option 4 ID : 43357619372
Status : Answered
Chosen Option : D

Q.142 भारतीय स्वतंत्रता अधिनियम, 1947 के बारे में निम्नलिखित में से कौन-सा कथन सही नहीं है?

- Ans
- A. भारतीय स्वतंत्रता अधिनियम के लिए विधेयक 4 जुलाई को संसद में पुरः स्थापित किया गया और इसे 18 जुलाई 1947 को शाही स्वीकृति (रॉयल एसेंट) प्राप्त हुई।
 - B. 1947 के अधिनियम ने भारतीय संविधान का मूलभूत ढाँचा निर्धारित किया।
 - C. इस अधिनियम में भारत और पाकिस्तान के रूप में दो स्वतंत्र डोमिनियन स्थापित करने के लिए उपबंधित किया गया था।
 - D. इस अधिनियम ने प्रत्येक डोमिनियन की संविधान सभा को कोई भी संविधान बनाने और उसे अंगीकार करने की असीमित शक्ति प्रदान की।

Question Type : MCQ
Question ID : 4335764445
Option 1 ID : 43357617777
Option 2 ID : 43357617778
Option 3 ID : 43357617779
Option 4 ID : 43357617780
Status : Answered
Chosen Option : D

Q.143 Just how many people were with Gandhiji at the beginning of the Salt Satyagraha?

- Ans
- A. 72 people
 - B. 78 people
 - C. 75 people
 - D. 82 people

Question Type : MCQ
Question ID : 4335764354
Option 1 ID : 43357617413
Option 2 ID : 43357617414
Option 3 ID : 43357617415
Option 4 ID : 43357617416
Status : Answered
Chosen Option : D

Q.144 वस्तु का मूल्य 15500 रुपए है और इसकी मरम्मत पर 500 रुपए खर्च हुए। यदि इसे 15 प्रतिशत लाभ पर बेचा जाता है। वस्तु का विक्रय मूल्य है:

- Ans
- A. 16400 रु
 - B. 17400 रु
 - C. 18400 रु
 - D. 19400 रु

Question Type : MCQ
Question ID : 4335764760
Option 1 ID : 43357619037
Option 2 ID : 43357619038
Option 3 ID : 43357619039
Option 4 ID : 43357619040
Status : Answered
Chosen Option : C

Q.145 Given below is a data set of temperatures (in °C)
-6 , -8 , -2 , 3 , 2 , 0 , 5 , 4 , 8
What is the range of the data ?

- Ans
- A. 0 °C
 - B. 16°C
 - C. 18°C
 - D. 10°C

Question Type : MCQ
Question ID : 4335764803
Option 1 ID : 43357619209
Option 2 ID : 43357619210
Option 3 ID : 43357619211
Option 4 ID : 43357619212
Status : Answered
Chosen Option : B

Q.146 A group of 1200 persons consisting of boys and girls is travelling in a Bus. For every 15 boys there is one girl. The number of girls in the group is ?

- Ans
- A. 60
 - B. 65
 - C. 70
 - D. 75

Question Type : MCQ
Question ID : 4335764971
Option 1 ID : 43357619881
Option 2 ID : 43357619882
Option 3 ID : 43357619883
Option 4 ID : 43357619884
Status : Answered
Chosen Option : D

Q.147 भारत में 1950 के दशक में योजना आयोग की स्थापना का उद्देश्य निम्नलिखित में से कौन सा था?

1. उत्पादन बढ़ाना और सभी को रोजगार के अवसर प्रदान करना
2. देश के सभी संसाधनों का आकलन करना

- Ans
- A. केवल 1
 - B. केवल 2
 - C. 1 और 2 दोनों
 - D. न तो 1 और न ही 2

Question Type : MCQ
Question ID : 4335764432
Option 1 ID : 43357617725
Option 2 ID : 43357617726
Option 3 ID : 43357617727
Option 4 ID : 43357617728
Status : Answered
Chosen Option : C

Q.148 निम्नलिखित में से कौन सा रसायन ओजोन परत के क्षरण के लिए जिम्मेदार है?

- Ans
- A. मेथनॉल
 - B. बायोपॉलिमर
 - C. पॉलीविनाइल क्लोराइड
 - D. क्लोरोफ्लोरोकार्बन

Question Type : MCQ
Question ID : 4335764645
Option 1 ID : 43357618577
Option 2 ID : 43357618578
Option 3 ID : 43357618579
Option 4 ID : 43357618580
Status : Answered
Chosen Option : D

Q.149 रमेश को नवंबर में हर तीसरे दिन छुट्टी मिलती है। गुरु दयाल को नवंबर में हर पांचवें दिन छुट्टी मिलती है। किस तारीख को पहली बार मिस्टर रमेश और गुरु दयाल को एक साथ छुट्टी मिली ताकि वे बाहर घूम सकें?

- Ans
- A. 9 नवंबर
 - B. 20 नवंबर
 - C. 15 नवंबर
 - D. 30 नवंबर

Question Type : MCQ
Question ID : 4335764703
Option 1 ID : 43357618809
Option 2 ID : 43357618810
Option 3 ID : 43357618811
Option 4 ID : 43357618812
Status : Answered
Chosen Option : C

Q.150 वह प्रणाली जो रक्त संबंध आत्मीयता पर आधारित होती है, कहलाती है

- Ans
- A. परिवार
 - B. गोत्र
 - C. रिश्तेदारी
 - D. संयुक्त परिवार

Question Type : MCQ
Question ID : 4335764502
Option 1 ID : 43357618005
Option 2 ID : 43357618006
Option 3 ID : 43357618007
Option 4 ID : 43357618008
Status : Answered
Chosen Option : B