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(Mechanical)
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Participant ID	
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Test Date	11/04/2025
Test Time	2:00 PM - 4:30 PM
Subject	Engineer Trainee Mechanical

Section : Section I Question on Subject Discipline

Q.1 Which of the following is one of the conditions that must be satisfied in order to achieve primary balance of the reciprocating parts in a multicylinder engine?

- Ans ☒ A. The product of secondary forces must be zero.
- ☒ B. The algebraic sum of primary forces must be zero.
- ☒ C. The algebraic sum of secondary forces must be zero.
- ☒ D. The product of primary forces must be zero.

Question ID : 44100953637
Option 1 ID : 441009213541
Option 2 ID : 441009213538
Option 3 ID : 441009213539
Option 4 ID : 441009213540
Status : Answered
Chosen Option : B

Q.2 Which of the following components is used for the process of taking data from sensors and inputting that data into a computer for processing?

- Ans ☒ A. Amplifier
- ☒ B. Multiplexer
- ☒ C. Data acquisition (DAQ)
- ☒ D. Generator

Question ID : 44100959350
Option 1 ID : 441009236310
Option 2 ID : 441009236309
Option 3 ID : 441009236311
Option 4 ID : 441009236312
Status : Answered
Chosen Option : C

Q.3 Under which of the following types of modes does the PID control NOT lie?

- Ans ☒ A. Proportional mode
☒ B. Derivative mode
☒ C. Two-step mode
☒ D. Intrgral of modes

Question ID : 44100959388
 Option 1 ID : 441009236463
 Option 2 ID : 441009236464
 Option 3 ID : 441009236462
 Option 4 ID : 441009236461
 Status : Answered
 Chosen Option : C

Q.4 Solve the following LPP by graphical method.

Maximise $Z = 3a + 2b$

$$a + b \leq 4$$

$$a - b \leq 2$$

$$a, b \geq 0$$

- Ans ☒ A. 14
☒ B. 6
☒ C. 11
☒ D. 8

Question ID : 44100960280
 Option 1 ID : 441009240082
 Option 2 ID : 441009240081
 Option 3 ID : 441009240080
 Option 4 ID : 441009240079
 Status : Not Answered
 Chosen Option : --

Q.5 The correct order for slope of stress v/s strain diagram is:

- Ans ☒ A. rubber > aluminium > steel > silicon carbide
☒ B. aluminium > steel > rubber > silicon carbide
☒ C. steel > aluminium > silicon carbide > rubber
☒ D. silicon carbide > steel > aluminum > rubber

Question ID : 44100962698
 Option 1 ID : 441009249854
 Option 2 ID : 441009249853
 Option 3 ID : 441009249852
 Option 4 ID : 441009249855
 Status : Answered
 Chosen Option : C

Q.6 Which of the following statements is NOT true about twin pressure valves?

Ans ☒ A. This valve is a pneumatic OR valve.

☐ B. It is a derivate of non-return valve.

☐ C. The valve has a spool that moves to an active position when both inputs have compressed air.

☐ D. It is a pneumatic valve with two inputs for one output.

Question ID : 44100961579

Option 1 ID : 441009245365

Option 2 ID : 441009245363

Option 3 ID : 441009245364

Option 4 ID : 441009245362

Status : Answered

Chosen Option : B

Q.7 Which of the following is a disadvantage of using wood for pattern making?

Ans ☐ A. Difficult to shape

☒ B. Distortion due to moisture

☐ C. Long life

☐ D. High density

Question ID : 44100959733

Option 1 ID : 441009237865

Option 2 ID : 441009237867

Option 3 ID : 441009237864

Option 4 ID : 441009237866

Status : Answered

Chosen Option : B

Q.8 Diesel cycle is also called ____.

Ans ☐ A. constant temperature cycle

☐ B. both constant volume and temperature cycle

☐ C. constant volume cycle

☒ D. constant pressure process

Question ID : 44100951482

Option 1 ID : 441009205077

Option 2 ID : 441009205079

Option 3 ID : 441009205076

Option 4 ID : 441009205078

Status : Answered

Chosen Option : D

Q.9 Which of the following is NOT a function of hydraulic oils?

- Ans ☒ A. It serves as a power transfer medium.
☒ B. It lubricates the hydraulic machine components.
☒ C. It traps heat within the system to improve efficiency.
☒ D. It carries contaminants away.

Question ID : 44100956684
Option 1 ID : 441009225598
Option 2 ID : 441009225599
Option 3 ID : 441009225601
Option 4 ID : 441009225600
Status : Answered
Chosen Option : A

Q.10 What is the name of the common form of pneumatic actuator used with process control valves?

- Ans ☒ A. Diaphragm actuator
☒ B. Hydraulic actuator
☒ C. Analogue actuator
☒ D. Digital actuator

Question ID : 44100956422
Option 1 ID : 441009224575
Option 2 ID : 441009224573
Option 3 ID : 441009224574
Option 4 ID : 441009224576
Status : Answered
Chosen Option : A

Q.11 Which of the following gloves is used to protect hands from X-rays and gamma rays?

- Ans ☒ A. Lead gloves
☒ B. Asbestos gloves
☒ C. Leather gloves
☒ D. Canvas gloves

Question ID : 44100952169
Option 1 ID : 441009207798
Option 2 ID : 441009207796
Option 3 ID : 441009207795
Option 4 ID : 441009207797
Status : Answered
Chosen Option : C

Q.12 In a linear hysteretic damping model, which parameter primarily governs the phase lag between stress and strain?

- Ans ☒ A. Mass density ρ
☒ B. Damping factor ζ
☒ C. Elastic modulus E
☒ D. Loss factor

Question ID : 441009108779

Option 1 ID : 441009432938

Option 2 ID : 441009432936

Option 3 ID : 441009432935

Option 4 ID : 441009432937

Status : Answered

Chosen Option : C

Q.13 In which area are vapour absorption systems more suitable?

- Ans ☒ A. Air conditioning of buildings
☒ B. Large industrial cooling systems
☒ C. Domestic refrigerators
☒ D. Air conditioning in automobiles

Question ID : 44100968169

Option 1 ID : 441009271492

Option 2 ID : 441009271490

Option 3 ID : 441009271493

Option 4 ID : 441009271491

Status : Answered

Chosen Option : B

Q.14 Three jobs A, B, C are to be assigned on three machines X, Y, Z. The required time to process the jobs on the machines is (calculate total processing time by Hungarian method):

Jobs	X	Y	Z
A	11	16	21
B	20	13	17
C	13	15	12

- Ans ☒ A. 40
☒ B. 36
☒ C. 32
☒ D. 47

Question ID : 44100958214

Option 1 ID : 441009231753

Option 2 ID : 441009231754

Option 3 ID : 441009231756

Option 4 ID : 441009231755

Status : Answered

Chosen Option : C

Q.15 Which of the following is used to calculate internal force caused by external loads managing tension and compression on both sides of the shaft, respectively?

- Ans ☒ A. Volumetric strain
☒ B. Shear stress
☒ C. Bending moment
☒ D. Torque

Question ID : 44100962283
Option 1 ID : 441009248199
Option 2 ID : 441009248200
Option 3 ID : 441009248198
Option 4 ID : 441009248201
Status : Answered
Chosen Option : D

Q.16 In free vibration, logarithmic decrement is ____.

- Ans ☒ A. the ratio of the amplitude of the vibration at start and end
☒ B. the rate at which the amplitude of the vibration decays over time
☒ C. the natural frequency of the vibrating system
☒ D. the ratio of the velocity at two successive points in time

Question ID : 44100965059
Option 1 ID : 441009259266
Option 2 ID : 441009259265
Option 3 ID : 441009259268
Option 4 ID : 441009259267
Status : Answered
Chosen Option : A

Q.17 What are the melting points of silicon and germanium on the Kelvin scale, respectively?

- Ans ☒ A. 1687 and 1211.4
☒ B. 1050 and 887
☒ C. 1685 and 1231
☒ D. 887 and 1050

Question ID : 44100964176
Option 1 ID : 441009255708
Option 2 ID : 441009255710
Option 3 ID : 441009255707
Option 4 ID : 441009255709
Status : Answered
Chosen Option : A

Q.18 Which of the following equipment stores the liquid condensed refrigerant in VARS?

- Ans ☒ A. Receiver
☐ B. Expansion valve
☐ C. Compressor
☐ D. Evaporator

Question ID : 44100948981
Option 1 ID : 441009195222
Option 2 ID : 441009195220
Option 3 ID : 441009195223
Option 4 ID : 441009195221
Status : Answered
Chosen Option : A

Q.19 Which of the following statements is INCORRECT about the radial engine?

- Ans ☐ A. It is a multi-cylinder engine.
☒ B. It is a single-cylinder engine, and connecting rods are connected with an individual crank.
☐ C. All the connecting rods are connected to a common crank.
☐ D. The analysis of forces can be performed by the method of direct and reverse cranks.

Question ID : 44100956472
Option 1 ID : 441009224776
Option 2 ID : 441009224775
Option 3 ID : 441009224777
Option 4 ID : 441009224778
Status : Answered
Chosen Option : B

Q.20 In which of the following types of constraints is the two-phase method applied?

- Ans ☐ A. $<$
☒ B. \geq
☐ C. \leq
☐ D. $>$

Question ID : 44100957849
Option 1 ID : 441009230279
Option 2 ID : 441009230282
Option 3 ID : 441009230280
Option 4 ID : 441009230281
Status : Answered
Chosen Option : B

Q.21 Which of the following forces DOES NOT act on the metal droplet at the time of metal transfer?

- Ans ☒ A. Gravitation force
☒ B. Electromagnetic force
☒ C. Spring force
☒ D. Surface tension force

Question ID : 44100955265
 Option 1 ID : 441009220038
 Option 2 ID : 441009220037
 Option 3 ID : 441009220039
 Option 4 ID : 441009220036
 Status : Answered
 Chosen Option : C

Q.22 The maximum efficiency for a reaction turbine is given by $\eta_{max} = ?$

- Ans ☒ A. $\frac{2 \cos^2 \alpha}{1 + \cos^2 \alpha}$
☒ B. $\frac{2 \cos^2 \alpha}{1 + \sin^2 \alpha}$
☒ C. $\frac{2 \sin^2 \alpha}{1 + \cos^2 \alpha}$
☒ D. $\frac{2 \sin^2 \alpha}{1 + \sin^2 \alpha}$

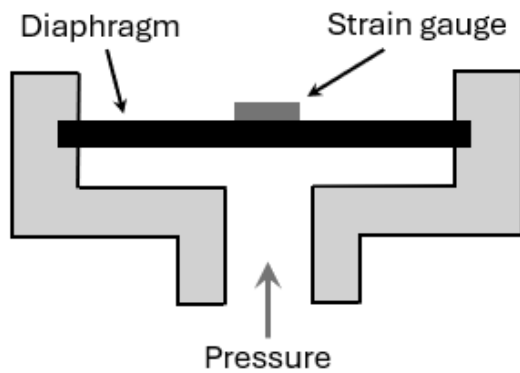
Question ID : 44100949491
 Option 1 ID : 441009197236
 Option 2 ID : 441009197239
 Option 3 ID : 441009197238
 Option 4 ID : 441009197237
 Status : Answered
 Chosen Option : C

Q.23 Which of the following is NOT a type of supercharger?

- Ans ☒ A. Twin-screw type
☒ B. Centrifugal type
☒ C. Reciprocating type
☒ D. Root's type

Question ID : 44100960233
 Option 1 ID : 441009239889
 Option 2 ID : 441009239887
 Option 3 ID : 441009239890
 Option 4 ID : 441009239888
 Status : Answered
 Chosen Option : A

Q.24 Which sensor can be used to measure the pressure in the given figure?



- Ans
- ☒ A. Force-sensitive resistor
 - ☒ B. Turbine meter
 - ☒ C. MPX sensor
 - ☒ D. Piezoelectric sensors

Question ID : 44100964827
Option 1 ID : 441009258264
Option 2 ID : 441009258263
Option 3 ID : 441009258266
Option 4 ID : 441009258265

Status : Answered

Chosen Option : A

Q.25 Which of the following statements is NOT true about Philips Refrigerator?

- Ans
- ☒ A. It operates on the Stirling cycle.
 - ☒ B. The COP of an ideal Philips refrigerator is same as that of the Carnot refrigerator.
 - ☒ C. It is used for cooling racing cars rather domestic cars.
 - ☒ D. It does not require liquid cryogenics for operation.

Question ID : 441009101404
Option 1 ID : 441009403640
Option 2 ID : 441009403641
Option 3 ID : 441009403643
Option 4 ID : 441009403642

Status : Answered

Chosen Option : D

Q.26 Which of the following etching processes comes under the category of the dry etching process?

- Ans ☒ A. Anisotropic etching
☒ B. Isotropic etching
☒ C. Plasma etching
☒ D. Doping

Question ID : 44100964835
 Option 1 ID : 441009258302
 Option 2 ID : 441009258301
 Option 3 ID : 441009258300
 Option 4 ID : 441009258299
 Status : Answered
 Chosen Option : B

Q.27 Which of the following welding processes has the minimum heat-affected zone?

- Ans ☒ A. Electromagnetic welding
☒ B. Explosive welding
☒ C. TIG welding
☒ D. MIG welding

Question ID : 44100955681
 Option 1 ID : 441009221680
 Option 2 ID : 441009221681
 Option 3 ID : 441009221683
 Option 4 ID : 441009221682
 Status : Answered
 Chosen Option : A

Q.28 Match the following M codes.

1	M07	a	spindle stop
2	M03	b	tool change
3	M05	c	coolant on
4	M06	d	spindle forward

- Ans ☒ A. 1-d, 2-c, 3-a, 4-b
☒ B. 1-a, 2-d, 3-b, 4-c
☒ C. 1-c, 2-d, 3-a, 4-b
☒ D. 1-a, 2-b, 3-d, 4-c

Question ID : 44100962726
 Option 1 ID : 441009249966
 Option 2 ID : 441009249965
 Option 3 ID : 441009249964
 Option 4 ID : 441009249967
 Status : Answered
 Chosen Option : C

Q.29 The gauge material should have:

- Ans ☒ A. low coefficient of thermal expansion
☐ B. high coefficient of thermal expansion
☐ C. poor machinability
☐ D. low hardness

Question ID : 44100961248
Option 1 ID : 441009244006
Option 2 ID : 441009244007
Option 3 ID : 441009244008
Option 4 ID : 441009244009
Status : Answered
Chosen Option : B

Q.30 Which of the following is NOT a typical subsystem of Flexible Manufacturing System?

- Ans ☐ A. Automated materials storage and transfer system
☐ B. Manufacturing control system
☒ C. A separate marketing system
☐ D. Computer-controlled manufacturing equipment

Question ID : 441009128174
Option 1 ID : 441009509316
Option 2 ID : 441009509317
Option 3 ID : 441009509318
Option 4 ID : 441009509315
Status : Answered
Chosen Option : C

Q.31 The purpose of annealing is to:

- Ans ☐ A. decrease softness
☐ B. decrease toughness
☒ C. increase ductility
☐ D. enhance effect of cold working

Question ID : 44100962707
Option 1 ID : 441009249888
Option 2 ID : 441009249889
Option 3 ID : 441009249890
Option 4 ID : 441009249891
Status : Answered
Chosen Option : C

Q.32 The motion of one object with respect to another object is called ____.

- Ans ☒ A. circular motion
☒ B. relative motion
☒ C. transverse motion
☒ D. friction

Question ID : 44100960541
 Option 1 ID : 441009241124
 Option 2 ID : 441009241125
 Option 3 ID : 441009241126
 Option 4 ID : 441009241123
 Status : Answered
 Chosen Option : B

Q.33 A model of the car has a mass equal to 1576 kg, its mass centre is 108.6 cm behind the front wheel axis, and it has a 265 cm wheelbase. What will be the force acting on the front wheel of the car parked on the level road ($g=9.81 \text{ m/s}^2$)?

- Ans ☒ A. 5432.3
☒ B. 4562.3 N
☒ C. 1652.3 N
☒ D. 6340.04 N

Question ID : 44100967801
 Option 1 ID : 441009269981
 Option 2 ID : 441009269979
 Option 3 ID : 441009269978
 Option 4 ID : 441009269980
 Status : Not Answered
 Chosen Option : --

Q.34 What will be the equation of motion under free dynamics condition, where $[A]$ is a constant coefficient matrix and q is the vector of control variables?

- Ans ☒ A. $\dot{q} = [2A]q$
☒ B. $\dot{q} = [A]q$
☒ C. $q = \dot{q}[A]$
☒ D. $q = 2 q[A]$

Question ID : 44100994949
 Option 1 ID : 441009377781
 Option 2 ID : 441009377780
 Option 3 ID : 441009377782
 Option 4 ID : 441009377783
 Status : Not Answered
 Chosen Option : --

Q.35 A nitrogen refrigeration system operates using the Joule-Thomson effect. The nitrogen gas enters the Joule-Thomson valve at a pressure of 5 MPa and a temperature of 300 K. After expansion, the pressure drops to 0.1 MPa. The Joule-Thomson coefficient (μ_{JT}) at room temperature is 0.26 K/Bar. What is the approximate final temperature (in K) of the nitrogen gas after expansion?

Ans ☒ A. 198 K

☒ B. 288 K

☒ C. 147 K

☒ D. 203 K

Question ID : 44100962303

Option 1 ID : 441009248279

Option 2 ID : 441009248281

Option 3 ID : 441009248280

Option 4 ID : 441009248278

Status : Not Answered

Chosen Option : --

Q.36 Crashing in a network is done to:

Ans ☒ A. decrease project duration

☒ B. Increase indirect cost

☒ C. decrease direct cost

☒ D. minimise cost

Question ID : 44100957960

Option 1 ID : 441009230762

Option 2 ID : 441009230764

Option 3 ID : 441009230763

Option 4 ID : 441009230761

Status : Answered

Chosen Option : A

Q.37 In which of the following conditions does steam have axial discharge?

Ans ☒ A. When the steam leaves the blade at exit tip 180°

☒ B. When the steam leaves the blade at exit tip 90°

☒ C. When the steam leaves the blade at exit tip 45°

☒ D. When the steam leaves the blade without creating any angle

Question ID : 44100949334

Option 1 ID : 441009196626

Option 2 ID : 441009196624

Option 3 ID : 441009196625

Option 4 ID : 441009196627

Status : Answered

Chosen Option : B

Q.38 About the engine centre line, the **moments of forces** are defined by which of the following terms?

- Ans ☐ A. Hammer blow
☐ B. Tractive force
☒ C. Swaying couple
☐ D. Shaking couple

Question ID : 44100956452
Option 1 ID : 441009224698
Option 2 ID : 441009224696
Option 3 ID : 441009224697
Option 4 ID : 441009224695
Status : Answered
Chosen Option : C

Q.39 Which of the following is NOT true about flexible rotors?

- Ans ☐ A. They operate through multiple critical speeds where resonance can occur.
☒ B. They always operate below the first critical speed.
☐ C. They require multiple planes for balancing.
☐ D. They may deform dynamically at high speed.

Question ID : 441009108646
Option 1 ID : 441009432437
Option 2 ID : 441009432439
Option 3 ID : 441009432436
Option 4 ID : 441009432438
Status : Answered
Chosen Option : B

Q.40 Which of the following options defines a Newtonian fluid?

- Ans ☒ A. A fluid with constant viscosity, independent of shear rate
☐ B. A fluid that behaves as a solid under stress
☐ C. A fluid whose viscosity decreases with shear rate
☐ D. A fluid whose viscosity increases with shear rate

Question ID : 44100968235
Option 1 ID : 441009271753
Option 2 ID : 441009271751
Option 3 ID : 441009271752
Option 4 ID : 441009271754
Status : Answered
Chosen Option : D

Q.41 The natural frequency of a simple spring mass system is 10 Hz. If the spring is cut in three equal parts and two parts connected in parallel with the remaining part in series, then which of the following is true about the new natural frequency?

- Ans ☒ A. It will be increased by 41%.
☒ B. It will be increased by 112%.
☒ C. It will be doubled.
☒ D. It will be half.

Question ID : 441009106392
Option 1 ID : 441009423592
Option 2 ID : 441009423594
Option 3 ID : 441009423591
Option 4 ID : 441009423593
Status : Not Answered
Chosen Option : --

Q.42 A valve which is normally closed and controls the order in which various functions occur in a circuit is called _____.

- Ans ☒ A. Mechanically Actuated Valve
☒ B. Circuit Controller Valve
☒ C. Sequencing Valve
☒ D. Poppet Valve

Question ID : 44100956816
Option 1 ID : 441009226094
Option 2 ID : 441009226096
Option 3 ID : 441009226095
Option 4 ID : 441009226093
Status : Answered
Chosen Option : D

Q.43 Which of the following is the work ratio for a gas turbine?

- Ans ☒ A. Net work output / Turbine work
☒ B. Max. efficiency / Min. efficiency
☒ C. Turbine work / Compressor work
☒ D. Compressor work / Net work output

Question ID : 44100953389
Option 1 ID : 441009212550
Option 2 ID : 441009212553
Option 3 ID : 441009212552
Option 4 ID : 441009212551
Status : Answered
Chosen Option : A

Q.44 Which of the following is NOT the task of an orificemeter?

- Ans ☒ A. Used as a nozzle in plumbing
☐ B. Used to measure the velocity of liquids
☐ C. Used to control flow
☐ D. Used as plates to measure the flow of liquids

Question ID : 44100957976
Option 1 ID : 441009230823
Option 2 ID : 441009230821
Option 3 ID : 441009230822
Option 4 ID : 441009230824
Status : Answered
Chosen Option : A

Q.45 Which of the following is the work of a multiplate clutch?

- Ans ☐ A. Transmitting vibration
☒ B. Transmitting power
☐ C. Transmitting force
☐ D. Transmitting energy

Question ID : 44100961551
Option 1 ID : 441009245245
Option 2 ID : 441009245242
Option 3 ID : 441009245244
Option 4 ID : 441009245243
Status : Answered
Chosen Option : B

Q.46 Teflon is made of:

- Ans ☐ A. acrylics
☐ B. polystyrenes
☒ C. fluorocarbons
☐ D. polyamides

Question ID : 44100962701
Option 1 ID : 441009249864
Option 2 ID : 441009249867
Option 3 ID : 441009249865
Option 4 ID : 441009249866
Status : Answered
Chosen Option : B

Q.47 Acetone is used in oxy-acetylene gas welding:

- Ans ☒ A. to make acetylene stable
☒ B. to make oxygen stable
☒ C. to maintain the ratio of oxygen and acetylene
☒ D. to maintain neutrality of flame

Question ID : 44100961732
 Option 1 ID : 441009245983
 Option 2 ID : 441009245984
 Option 3 ID : 441009245982
 Option 4 ID : 441009245985
 Status : Answered
 Chosen Option : D

Q.48 If the number of contact fingers is 4, the coefficient of friction of the finger contact surface against the part surface is 0.25, and the weight of the being gripped is 100 N, then what will be the gripper force?

- Ans ☒ A. 400 N
☒ B. 100 N
☒ C. 50 N
☒ D. 25 N

Question ID : 44100960579
 Option 1 ID : 441009241275
 Option 2 ID : 441009241276
 Option 3 ID : 441009241277
 Option 4 ID : 441009241278
 Status : Not Answered
 Chosen Option : --

Q.49 What is the mixing length in the Prandtl mixing length theory?

- Ans ☒ A. Distance between two layers in the transverse direction
☒ B. Distance between two layers in the same direction
☒ C. Distance between two layers in the opposite direction
☒ D. Distance between two layers in the same plane

Question ID : 44100957865
 Option 1 ID : 441009230343
 Option 2 ID : 441009230345
 Option 3 ID : 441009230344
 Option 4 ID : 441009230346
 Status : Not Answered
 Chosen Option : --

Q.50 Better dimensional accuracy can be achieved by:

- Ans ☒ A. hot working
☒ B. working material above recrystallisation temp
☒ C. increasing ductility
☒ D. cold working

Question ID : 44100962225
 Option 1 ID : 441009247935
 Option 2 ID : 441009247936
 Option 3 ID : 441009247937
 Option 4 ID : 441009247934
 Status : Answered
 Chosen Option : B

Q.51 According to the parallelogram law of vectors, if the sum of two vectors (acting on adjacent sides) of a parallelogram, their resultant vector must be on the ____.

- Ans ☒ A. diagonal
☒ B. intersection of the diagonal
☒ C. periphery
☒ D. area

Question ID : 44100947591
 Option 1 ID : 441009189458
 Option 2 ID : 441009189459
 Option 3 ID : 441009189457
 Option 4 ID : 441009189456
 Status : Answered
 Chosen Option : A

Q.52 Many polymeric materials are susceptible to time-dependent deformation under a constantly maintained stress, which is known as:

- Ans ☒ A. viscoelastic shear
☒ B. viscoelastic creep
☒ C. viscoelastic fracture
☒ D. viscoelastic flow

Question ID : 441009128243
 Option 1 ID : 441009509593
 Option 2 ID : 441009509594
 Option 3 ID : 441009509592
 Option 4 ID : 441009509591
 Status : Answered
 Chosen Option : B

Q.53 Which of the following statements is NOT true about superconductive magnet?

- Ans ☒ A. It can work effectively below critical temperatures only.
- ☒ B. The electrical resistance of a superconductive magnet is zero.
- ☒ C. As the magnet works at extremely low temperature, it generates little lesser magnetic field than conventional magnet.
- ☒ D. It is made up of materials which become superconductive at cryogenic temperature.

Question ID : 44100962201
Option 1 ID : 441009247833
Option 2 ID : 441009247831
Option 3 ID : 441009247832
Option 4 ID : 441009247830
Status : Answered
Chosen Option : C

Q.54 Coriolis component of acceleration occurs when _____.

- Ans ☒ A. slider moves along fixed link
- ☒ B. slider is fixed and supporting link rotates
- ☒ C. slider does not move
- ☒ D. slider moves along a rotating link

Question ID : 44100961352
Option 1 ID : 441009244438
Option 2 ID : 441009244440
Option 3 ID : 441009244439
Option 4 ID : 441009244441
Status : Answered
Chosen Option : D

Q.55 What is the primary function of MES (Manufacturing Execution System) in manufacturing control?

- Ans ☒ A. Generating toolpaths for CNC machines
- ☒ B. Tracking real-time production and process execution
- ☒ C. Managing financial transactions
- ☒ D. Designing CAD models for manufacturing

Question ID : 441009128137
Option 1 ID : 441009509168
Option 2 ID : 441009509169
Option 3 ID : 441009509167
Option 4 ID : 441009509170
Status : Answered
Chosen Option : B

Q.56 For a conservative field, _____.

- Ans ☒ A. flow is rotational
- ☒ B. flow is compressible
- ☒ C. $\nabla \times V = 0$
- ☒ D. flow is viscous

Question ID : 44100962113
 Option 1 ID : 441009247479
 Option 2 ID : 441009247480
 Option 3 ID : 441009247478
 Option 4 ID : 441009247481
 Status : Answered
 Chosen Option : C

Q.57 The twisting force that causes a shaft to rotate is known as _____.

- Ans ☒ A. shaft sleeve
- ☒ B. shaft bending moment
- ☒ C. shaft bearing
- ☒ D. shaft torque

Question ID : 44100962241
 Option 1 ID : 441009248001
 Option 2 ID : 441009247999
 Option 3 ID : 441009248000
 Option 4 ID : 441009247998
 Status : Answered
 Chosen Option : D

Q.58 Which of the following statements is NOT correct about the swirl?

- Ans ☒ A. In the Texaco Combustion Process, a very low degree of swirl is imparted to the incoming air.
- ☒ B. There must be a good coordination between air swirl and injection.
- ☒ C. The fuel is injected across the swirling air downstream directions.
- ☒ D. The spark plug is situated within the swirling air.

Question ID : 44100960094
 Option 1 ID : 441009239313
 Option 2 ID : 441009239311
 Option 3 ID : 441009239314
 Option 4 ID : 441009239312
 Status : Answered
 Chosen Option : D

Q.59 In a counterflow heat exchanger, as the number of transfer units (NTU) increases, effectiveness _____.

- Ans ☒ A. decreases
- ☒ B. increases
- ☒ C. first increases and then decreases
- ☒ D. does not change

Question ID : 44100968199
Option 1 ID : 441009271610
Option 2 ID : 441009271613
Option 3 ID : 441009271611
Option 4 ID : 441009271612
Status : Answered
Chosen Option : A

Q.60 Which hardware component in CIM is responsible for handling repetitive tasks such as welding, painting, and assembly?

- Ans ☒ A. SCADA Systems
- ☒ B. CNC Machines
- ☒ C. Industrial Robots
- ☒ D. Automated Guided Vehicles (AGVs)

Question ID : 441009128240
Option 1 ID : 441009509582
Option 2 ID : 441009509579
Option 3 ID : 441009509580
Option 4 ID : 441009509581
Status : Answered
Chosen Option : C

Q.61 For a fillet weld, the throat thickness is approximately _____ times the weld.

- Ans ☒ A. 0.770
- ☒ B. 0.707
- ☒ C. 7.07
- ☒ D. 77.0

Question ID : 44100964357
Option 1 ID : 441009256413
Option 2 ID : 441009256411
Option 3 ID : 441009256412
Option 4 ID : 441009256414
Status : Answered
Chosen Option : B

Q.62 Which of the following statements is NOT correct about the gyroscopic effect?

- Ans ☒ A. If the direction of the spin of the rotor changes, then the gyroscopic effect is reversed.
- ☒ B. If the direction of the precession of the rotor changes, then the gyroscopic effect is reversed.
- ☒ C. If the direction of either spin or the precession of the rotor changes, then the gyroscopic effect remains the same.
- ☒ D. If the direction of either spin or the precession of the rotor changes, then the gyroscopic effect is reversed.

Question ID : 44100957177
Option 1 ID : 441009227485
Option 2 ID : 441009227486
Option 3 ID : 441009227487
Option 4 ID : 441009227484
Status : Not Answered
Chosen Option : --

Q.63 In forging, load applied through die is a/an:

- Ans ☒ A. extensive load
- ☒ B. shear load
- ☒ C. tensile load
- ☒ D. compressive load

Question ID : 44100962195
Option 1 ID : 441009247809
Option 2 ID : 441009247808
Option 3 ID : 441009247806
Option 4 ID : 441009247807
Status : Answered
Chosen Option : D

Q.64 Block of information in NC machine program is:

- Ans ☒ A. one complete instruction
- ☒ B. one complete program
- ☒ C. one row on tape
- ☒ D. two rows on tape

Question ID : 44100962732
Option 1 ID : 441009249991
Option 2 ID : 441009249988
Option 3 ID : 441009249989
Option 4 ID : 441009249990
Status : Answered
Chosen Option : A

Q.65 Which of the following is INCORRECT regarding the EBQ (Economic Batch Quantity) model?

- Ans ☒ A. Objective is to minimize cost
☒ B. Helps to find best batch size
☒ C. Used in manufacturing
☒ D. Used when products are stored in inventory

Question ID : 44100960262
Option 1 ID : 441009240001
Option 2 ID : 441009239999
Option 3 ID : 441009240000
Option 4 ID : 441009240002
Status : Answered
Chosen Option : D

Q.66 What does NURBS stand for in 3D modelling?

- Ans ☒ A. Numerical User-Rational Bending System
☒ B. Non-Uniform Rational Bezier System
☒ C. Normal Uniform Rational B-Splines
☒ D. Non-Uniform Rational B-Splines

Question ID : 441009130113
Option 1 ID : 441009516850
Option 2 ID : 441009516847
Option 3 ID : 441009516848
Option 4 ID : 441009516849
Status : Answered
Chosen Option : D

Q.67 Which slip gauge is used for inspection?

- Ans ☒ A. Grade 2
☒ B. Grade 1
☒ C. Grade 0
☒ D. Callibration grade

Question ID : 44100961642
Option 1 ID : 441009245618
Option 2 ID : 441009245619
Option 3 ID : 441009245620
Option 4 ID : 441009245621
Status : Answered
Chosen Option : D

Q.68 Which of the following types of usual base oil is used in the steam and gas turbines?

- Ans ☐ A. High-viscosity distillates
☐ B. Light-viscosity distillates
☒ C. Paraffinic or naphthenic distillates
☐ D. Medicinal white oil

Question ID : 441009127921

Option 1 ID : 441009508307

Option 2 ID : 441009508308

Option 3 ID : 441009508305

Option 4 ID : 441009508306

Status : Not Answered

Chosen Option : --

Q.69 Which of the following welding processes comes under the category of major modern types of consumable electrode arc welding processes?

- Ans ☒ A. Submerged arc welding (SAW)
☐ B. Gas tungsten arc welding (GTAW)
☐ C. Plasma arc welding (PAW)
☐ D. Magnetically-impelled arc butt welding (MIAB)

Question ID : 44100961422

Option 1 ID : 441009244730

Option 2 ID : 441009244731

Option 3 ID : 441009244732

Option 4 ID : 441009244733

Status : Answered

Chosen Option : C

Q.70 A vibration spectrum shows dominant peaks at 1X, 2X and 3X rpm. The phase difference between the driving and driven shaft is nearly 180°. What is the most probable cause of these peaks?

- Ans ☐ A. Rotor unbalance
☐ B. Shaft underdamping
☐ C. Structural looseness
☒ D. Angular misalignment

Question ID : 441009106911

Option 1 ID : 441009425675

Option 2 ID : 441009425674

Option 3 ID : 441009425677

Option 4 ID : 441009425676

Status : Not Answered

Chosen Option : --

Q.71 Which of the following is NOT considered an unsafe condition?

- Ans ☒ A. Use of perfect tools and good equipment
- ☒ B. Improper operation of machines and equipment
- ☒ C. Overloading, overcrowding, improper storage, or handling of materials
- ☒ D. Removal or nullification of machine guards or safety devices

Question ID : 441009128102

Option 1 ID : 441009509030

Option 2 ID : 441009509027

Option 3 ID : 441009509029

Option 4 ID : 441009509028

Status : Answered

Chosen Option : A

Q.72 Consider the following geometric program.

Minimise $f(x, y) = 2x^{-1}y^{-2} + 3xy$, subject to the constraints $x^{-1} + 2y^{-1} \leq 3$ and $x^2 + y^2 \leq 5$.

What is the degree of difficulty of the given program?

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

Question ID : 441009126594

Option 1 ID : 441009503063

Option 2 ID : 441009503062

Option 3 ID : 441009503061

Option 4 ID : 441009503060

Status : Not Answered

Chosen Option : --

Q.73 Which of the following is determined by Soderberg's Criterion?

- Ans ☒ A. Tensile stress
- ☒ B. Safe design stress
- ☒ C. Axial stress
- ☒ D. Bending stress

Question ID : 44100964991

Option 1 ID : 441009258979

Option 2 ID : 441009258982

Option 3 ID : 441009258981

Option 4 ID : 441009258980

Status : Answered

Chosen Option : B

Q.74 Which of the following is the process of heat transfer within a solid?

- Ans ☐ A. Radiation
☐ B. Convection
☒ C. Conduction
☐ D. Magnification

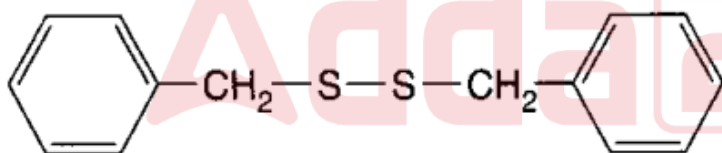
Question ID : 44100950233
 Option 1 ID : 441009200177
 Option 2 ID : 441009200176
 Option 3 ID : 441009200175
 Option 4 ID : 441009200178
 Status : Answered
 Chosen Option : C

Q.75 Which of the following properties is best associated with Pennsylvania crude oil?

- Ans ☐ A. Mass and temperature characteristics
☐ B. Strength and hardness
☒ C. Viscosity-temperature characteristics
☐ D. Density and pressure

Question ID : 441009128096
 Option 1 ID : 441009509006
 Option 2 ID : 441009509004
 Option 3 ID : 441009509003
 Option 4 ID : 441009509005
 Status : Answered
 Chosen Option : D

Q.76 What is the name of a mild extreme pressure additive that has sulphur positioned in a chain between two organic radicals, as shown in the figure?



- Ans ☐ A. Benzyl disulphide
☐ B. Dibenzyl disulphide methane
☐ C. Dibenzyl sulphide
☒ D. Dibenzyl disulphide

Question ID : 441009127903
 Option 1 ID : 441009508234
 Option 2 ID : 441009508233
 Option 3 ID : 441009508235
 Option 4 ID : 441009508236
 Status : Answered
 Chosen Option : B

Q.77 In cycloidal motion, what is the velocity of the follower?

- Ans ☒ A. Maximum at both maximum and minimum positions
☒ B. Maximum only at the maximum position
☒ C. Constant throughout the motion
☒ D. Zero at both maximum and minimum positions

Question ID : 44100965072
 Option 1 ID : 441009259318
 Option 2 ID : 441009259320
 Option 3 ID : 441009259319
 Option 4 ID : 441009259317
 Status : Answered
 Chosen Option : A

Q.78 The preferred shape of the runner in the gating system is:

- Ans ☒ A. parabolic
☒ B. cylindrical
☒ C. rectangular
☒ D. trapezoidal

Question ID : 44100959715
 Option 1 ID : 441009237792
 Option 2 ID : 441009237793
 Option 3 ID : 441009237795
 Option 4 ID : 441009237794
 Status : Answered
 Chosen Option : C

Q.79 By Reynolds experiment, the loss of head is $h_f \propto V^n$. The value of n varies from _____.

- Ans ☒ A. 1.75 to 2.0
☒ B. 1.25 to 1.5
☒ C. 1.5 to 1.75
☒ D. 2 to 2.25

Question ID : 44100957799
 Option 1 ID : 441009230080
 Option 2 ID : 441009230082
 Option 3 ID : 441009230081
 Option 4 ID : 441009230079
 Status : Answered
 Chosen Option : B

Q.80 If the Jacobian matrix of equality constraints is NOT full rank, then which of the following statements holds true?

- Ans ☒ A. The optimisation problem has a unique solution.
- ☒ B. The constraint qualification fails.
- ☒ C. The objective function becomes convex.
- ☒ D. The Lagrange multipliers are unique.

Question ID : 441009126557

Option 1 ID : 441009502918

Option 2 ID : 441009502919

Option 3 ID : 441009502917

Option 4 ID : 441009502916

Status : Not Answered

Chosen Option : --

Q.81 A large amount of energy is required when a hydraulic crane is moving upward. This energy is supplied by which of the following?

- Ans ☒ A. Flywheel
- ☒ B. Hydraulic Ram
- ☒ C. Hydraulic Intensifier
- ☒ D. Hydraulic Accumulator

Question ID : 44100956990

Option 1 ID : 441009226770

Option 2 ID : 441009226769

Option 3 ID : 441009226768

Option 4 ID : 441009226771

Status : Answered

Chosen Option : C

Q.82 If d represents the damping factor or damping ratio then the expression for the logarithmic decrement is given by which of the following?

- Ans ☒ A. $\frac{2\pi d}{\sqrt{1-d^2}}$
- ☒ B. $\frac{4\pi d}{\sqrt{1+d^2}}$
- ☒ C. $\frac{4\pi d}{\sqrt{1-d^2}}$
- ☒ D. $\frac{2\pi d}{\sqrt{1+d^2}}$

Question ID : 44100957181

Option 1 ID : 441009227500

Option 2 ID : 441009227503

Option 3 ID : 441009227502

Option 4 ID : 441009227501

Status : Answered

Chosen Option : A

Q.83 Which of the following does not change during an isothermal process for ideal gas?

- Ans ☒ A. Internal energy
☐ B. Specific volume
☐ C. Entropy
☐ D. Specific heat

Question ID : 44100948715
Option 1 ID : 441009194168
Option 2 ID : 441009194171
Option 3 ID : 441009194170
Option 4 ID : 441009194169
Status : Answered
Chosen Option : D

Q.84 Which optimisation algorithm is commonly combined with neural networks to find Pareto-optimal solutions?

- Ans ☐ A. Simulated Annealing
☒ B. Non-dominated Sorting Genetic Algorithm II
☐ C. K-Means Clustering
☐ D. Gradient Descent

Question ID : 441009126670
Option 1 ID : 441009503356
Option 2 ID : 441009503357
Option 3 ID : 441009503358
Option 4 ID : 441009503359
Status : Not Answered
Chosen Option : --

Q.85 Which of the following is correct for vibration transmissibility for undamped vibrations?

- Ans ☐ A. No magnification
☐ B. No vibration
☒ C. No energy transmission
☐ D. No transmissibility

Question ID : 44100952314
Option 1 ID : 441009208374
Option 2 ID : 441009208372
Option 3 ID : 441009208373
Option 4 ID : 441009208371
Status : Answered
Chosen Option : A

Q.86 The value of Stefan Boltzmann constant is _____.

- Ans ☒ A. $5.67 \times 10^{-8} \text{ W/m}^2\text{K}^2$
☒ B. $5.67 \times 10^{-8} \text{ W/m}^2\text{K}^4$
☒ C. $5.67 \times 10^{-8} \text{ J/m}^2\text{K}^4$
☒ D. $5.67 \times 10^{-8} \text{ J/m}^2\text{K}^2$

Question ID : 44100950418
 Option 1 ID : 441009200894
 Option 2 ID : 441009200893
 Option 3 ID : 441009200891
 Option 4 ID : 441009200892
 Status : Answered
 Chosen Option : B

Q.87 Which of the following equipment DOES NOT comes under hoist category?

- Ans ☒ A. Engine scanner
☒ B. Jacks
☒ C. Two-post car hoist
☒ D. Cranes

Question ID : 44100952315
 Option 1 ID : 441009208377
 Option 2 ID : 441009208375
 Option 3 ID : 441009208378
 Option 4 ID : 441009208376
 Status : Answered
 Chosen Option : A

Q.88 Which of the following transducer mounting methods provides the best response in vibration measurement at high frequencies?

- Ans ☒ A. Adhesive Mounting
☒ B. Magnetic Mounting
☒ C. Handheld Probe
☒ D. Stud Mounting

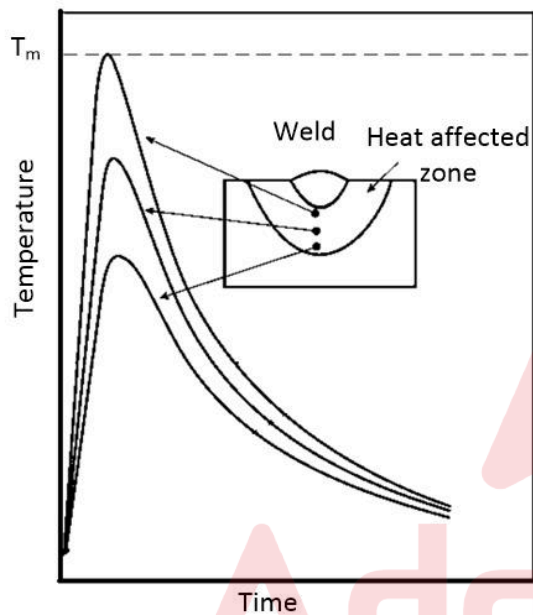
Question ID : 441009106871
 Option 1 ID : 441009425520
 Option 2 ID : 441009425518
 Option 3 ID : 441009425521
 Option 4 ID : 441009425519
 Status : Answered
 Chosen Option : D

Q.89 Which of the following is NOT a part of the compression ignition engine?

- Ans ☒ A. Pre chamber
☒ B. Magneto ignition
☒ C. Swirl chamber
☒ D. Divided chamber

Question ID : 44100960162
 Option 1 ID : 441009239596
 Option 2 ID : 441009239597
 Option 3 ID : 441009239595
 Option 4 ID : 441009239598
 Status : Answered
 Chosen Option : B

Q.90 Which of the following cycles is shown in the given figure?



- Ans ☒ A. Weld thermal cycle
☒ B. Thermal cycle
☒ C. Time-temperature-transformation cycle
☒ D. Continuous cooling cycle

Question ID : 44100961445
 Option 1 ID : 441009244823
 Option 2 ID : 441009244822
 Option 3 ID : 441009244825
 Option 4 ID : 441009244824
 Status : Answered
 Chosen Option : A

Q.91 Which of the following materials can exhibit super conductivity at cryogenic temperatures?

- Ans ☒ A. Nihonium
☒ B. Silver
☒ C. Niobium
☒ D. Aluminium oxide

Question ID : 44100962165
 Option 1 ID : 441009247696
 Option 2 ID : 441009247694
 Option 3 ID : 441009247695
 Option 4 ID : 441009247697
 Status : Answered
 Chosen Option : C

Q.92 Which of the following is true about a gear pump?

- Ans ☒ A. It is positive displacement pump.
☒ B. There is no leakage at all.
☒ C. It delivers a smooth pulse free flow which is inversely proportional to the rotational speed of its gear.
☒ D. It is negative displacement pump.

Question ID : 44100956778
 Option 1 ID : 441009225954
 Option 2 ID : 441009225956
 Option 3 ID : 441009225957
 Option 4 ID : 441009225955
 Status : Answered
 Chosen Option : C

Q.93 A shaft is optimised for minimum torsional deflection while keeping the material cost and weight low. Which of the following strategies is the most effective?

- Ans ☒ A. Increase shaft length while keeping the diameter constant
☒ B. Use a hollow shaft with an optimal inner-to-outer diameter ratio
☒ C. Select a material with a lower modulus of rigidity G
☒ D. Use a solid shaft with lower diameter and heavy density material

Question ID : 441009126938
 Option 1 ID : 441009504428
 Option 2 ID : 441009504430
 Option 3 ID : 441009504429
 Option 4 ID : 441009504431
 Status : Answered
 Chosen Option : B

Q.94 What is the name of the gas that is most commonly used as a shielding gas in the gas tungsten arc welding process?

- Ans ☒ A. Hydrogen gas
☒ B. Carbon dioxide gas
☒ C. Argon gas
☒ D. Carbon monoxide gas

Question ID : 44100961434
Option 1 ID : 441009244781
Option 2 ID : 441009244780
Option 3 ID : 441009244779
Option 4 ID : 441009244778
Status : Answered
Chosen Option : C

Q.95 Which of the following factors DOES NOT influence the speed of flame during its propagation?

- Ans ☒ A. Fuel type
☒ B. Equivalence ratio
☒ C. Ignition energy
☒ D. Engine size

Question ID : 44100959760
Option 1 ID : 441009237968
Option 2 ID : 441009237969
Option 3 ID : 441009237970
Option 4 ID : 441009237971
Status : Answered
Chosen Option : D

Q.96 The maximum and minimum material limit for 20.00^{+0.30}/_{-0.10} hole and 20.00^{+0.10}/_{-0.30} shaft is:

- Ans ☒ A. 0.4, 0.2
☒ B. 0.2, 0.6
☒ C. 0.6, 0.2
☒ D. 0.2, 0.4

Question ID : 44100961607
Option 1 ID : 441009245480
Option 2 ID : 441009245479
Option 3 ID : 441009245478
Option 4 ID : 441009245481
Status : Answered
Chosen Option : D

Q.97 The carbon monoxide concentration in underground air quality for tunnel must NOT exceed the value of _____.

- Ans ☒ A. 0.025%
☒ B. 0.00025%
☒ C. 0.25%
☒ D. 0.0025%

Question ID : 44100952278
 Option 1 ID : 441009208228
 Option 2 ID : 441009208230
 Option 3 ID : 441009208227
 Option 4 ID : 441009208229
 Status : Answered
 Chosen Option : A

Q.98 In electronic devices, vibration isolators are used to _____.

- Ans ☒ A. increase circuit board vibrations for better signal transmission
☒ B. reduce mechanical noise and protect sensitive components
☒ C. improve the conductivity of electrical components
☒ D. isolate the devices from mechanical friction

Question ID : 441009115845
 Option 1 ID : 441009460760
 Option 2 ID : 441009460763
 Option 3 ID : 441009460761
 Option 4 ID : 441009460762
 Status : Answered
 Chosen Option : B

Q.99 Which of the following represents a constraints surface in mathematical form?

- Ans ☒ A. $g(x) = 0$
☒ B. $f(x) = \min$
☒ C. $h(x) = f(x) + g(x)$
☒ D. $x_1 + x_2 > 10$

Question ID : 441009126338
 Option 1 ID : 441009502045
 Option 2 ID : 441009502044
 Option 3 ID : 441009502047
 Option 4 ID : 441009502046
 Status : Answered
 Chosen Option : D

Q.10 The method of joining metals with filler material having melting temperature below
0 450°C is called:

- Ans ☒ A. braze welding
☒ B. silver soldering
☒ C. brazing
☒ D. soldering

Question ID : 44100961752
Option 1 ID : 441009246062
Option 2 ID : 441009246065
Option 3 ID : 441009246063
Option 4 ID : 441009246064
Status : Answered
Chosen Option : D

Q.10 Which of the following is the nature of a quasistatic process?
1

- Ans ☒ A. It is a very slow system where changes are very small.
☒ B. It is a quick system where changes are large.
☒ C. It is a slow system where changes rarely happen.
☒ D. It is a slow system but rapid growth of the system happens.

Question ID : 44100948487
Option 1 ID : 441009193244
Option 2 ID : 441009193247
Option 3 ID : 441009193246
Option 4 ID : 441009193245
Status : Answered
Chosen Option : A

Q.10 Which CAD/CAM technology optimises tool paths to reduce machining time?
2

- Ans ☒ A. Computer-Aided Manufacturing (CAM)
☒ B. 3D Rendering
☒ C. Ray Tracing
☒ D. Reverse Engineering

Question ID : 441009130275
Option 1 ID : 441009517496
Option 2 ID : 441009517498
Option 3 ID : 441009517497
Option 4 ID : 441009517495
Status : Answered
Chosen Option : C

Q.10 Which type of core is specifically designed to be held in place without requiring a
3 separate core seat or support?

- Ans ☒ A. Hanging core
- ☒ B. Kiss core
- ☒ C. Horizontal core
- ☒ D. Vertical core

Question ID : 44100957473
Option 1 ID : 441009228757
Option 2 ID : 441009228758
Option 3 ID : 441009228755
Option 4 ID : 441009228756
Status : Answered
Chosen Option : A

Q.10 In which moulding methods, moulding pattern evaporates:
4

- Ans ☒ A. Injection moulding
- ☒ B. slush casting
- ☒ C. shell moulding
- ☒ D. full moulding

Question ID : 44100957523
Option 1 ID : 441009228955
Option 2 ID : 441009228958
Option 3 ID : 441009228957
Option 4 ID : 441009228956
Status : Answered
Chosen Option : B

Q.10 Free vortex flow means:
5

- Ans ☒ A. a rotational flow
- ☒ B. vorticity is 0
- ☒ C. total mechanical energy is not conserved
- ☒ D. vorticity is the maximum

Question ID : 44100962104
Option 1 ID : 441009247442
Option 2 ID : 441009247443
Option 3 ID : 441009247445
Option 4 ID : 441009247444
Status : Answered
Chosen Option : B

Q.10 In a manufacturing company, the number of incidents per million man hours worked
6 during a specific period is called ____.

- Ans ☒ A. Severity Rate
☒ B. Incident Rate
☒ C. Safety Performance Index
☒ D. Frequency Rate

Question ID : 44100952251
Option 1 ID : 441009208121
Option 2 ID : 441009208120
Option 3 ID : 441009208122
Option 4 ID : 441009208119
Status : Answered
Chosen Option : C

Q.10 Which of the following is inherently a single acting pneumatic actuator?
7

- Ans ☒ A. Tandem Cylinder
☒ B. Cable cylinder
☒ C. Diaphragm cylinder
☒ D. Telescopic Cylinder

Question ID : 44100961600
Option 1 ID : 441009245451
Option 2 ID : 441009245452
Option 3 ID : 441009245453
Option 4 ID : 441009245450
Status : Not Answered
Chosen Option : --

Q.10 Which of the following equipment DOES NOT come under the category of personal
8 protective equipment?

- Ans ☒ A. Insurance of the personnel
☒ B. Eye and face protection
☒ C. Head protection
☒ D. Electrical protective equipment

Question ID : 441009128129
Option 1 ID : 441009509135
Option 2 ID : 441009509138
Option 3 ID : 441009509137
Option 4 ID : 441009509136
Status : Answered
Chosen Option : D

Q.10 Which of the following is NOT a factor used in designing a spur gear?
9

- Ans ☒ A. Pressure angle
☒ B. Gear teeth length
☒ C. Addendum
☒ D. Pitch diameter

Question ID : 44100964157
 Option 1 ID : 441009255632
 Option 2 ID : 441009255634
 Option 3 ID : 441009255633
 Option 4 ID : 441009255631
 Status : Answered
 Chosen Option : B

Q.11 Which of the following statements is correct about the Myklestad - Prohl method of
0 vibration analysis?

- Ans ☒ A. It considers mass moment of inertia of the last mass of the system only.
☒ B. It is used for torsional vibration analysis.
☒ C. It uses iterative method for calculation.
☒ D. It uses transfer matrix method to analyse the vibration.

Question ID : 441009106852
 Option 1 ID : 441009425446
 Option 2 ID : 441009425443
 Option 3 ID : 441009425444
 Option 4 ID : 441009425445
 Status : Not Answered
 Chosen Option : --

Q.11 In Forecasting, Delphi method is used for:
1

- Ans ☒ A. short term
☒ B. old product
☒ C. quantitative method
☒ D. new product

Question ID : 44100957551
 Option 1 ID : 441009229069
 Option 2 ID : 441009229068
 Option 3 ID : 441009229070
 Option 4 ID : 441009229067
 Status : Answered
 Chosen Option : D

Q.11 For the preparation of a nanostructure, one approach is to collect, consolidate and
2 fashion individual atoms and molecules into the structure. This is caused by a
sequence of chemical reactions. This type of approach is known:

Ans ☒ A. top-down approach

☒ B. horizontal-vertical approach

☒ C. bottom-up approach

☒ D. mechanical alloying

Question ID : 44100964819

Option 1 ID : 441009258228

Option 2 ID : 441009258230

Option 3 ID : 441009258227

Option 4 ID : 441009258229

Status : Not Answered

Chosen Option : --

Q.11 Which of the following adhesives is elastic in nature?
3

Ans ☒ A. Thermoplastic resin

☒ B. Thermosetting resin

☒ C. Silicone resin

☒ D. Elastomers

Question ID : 44100961658

Option 1 ID : 441009245682

Option 2 ID : 441009245685

Option 3 ID : 441009245684

Option 4 ID : 441009245683

Status : Answered

Chosen Option : D

Q.11 Sheet metal forming process in which metal is removed in small increments is called
4 _____.

Ans ☒ A. shaving

☒ B. trimming

☒ C. nibbling

☒ D. notching

Question ID : 44100962722

Option 1 ID : 441009249949

Option 2 ID : 441009249951

Option 3 ID : 441009249950

Option 4 ID : 441009249948

Status : Answered

Chosen Option : C

Q.11 Which type of lubricant is selected for a manual gearbox in the car?
5

Ans ☒ A. SAESO(EP) or multipurpose

☒ B. SAE 60W

☒ C. ASTM D445

☒ D. ISO VG 46

Question ID : 441009126831

Option 1 ID : 441009504011

Option 2 ID : 441009504010

Option 3 ID : 441009504009

Option 4 ID : 441009504008

Status : Not Answered

Chosen Option : --

Q.11 According to ABC inventory analysis, which of the following category items will have
6 the least inventory to minimise the risk of stock out for critical components?

Ans ☒ A. B

☒ B. All items will have equal inventory.

☒ C. A

☒ D. C

Question ID : 44100952355

Option 1 ID : 441009208517

Option 2 ID : 441009208519

Option 3 ID : 441009208516

Option 4 ID : 441009208518

Status : Answered

Chosen Option : C

Q.11 The force of attraction between molecules of the same substance is known as _____.
7

Ans ☒ A. Compression

☒ B. Suction

☒ C. Cohesion

☒ D. Adhesion

Question ID : 44100959050

Option 1 ID : 441009235109

Option 2 ID : 441009235108

Option 3 ID : 441009235107

Option 4 ID : 441009235106

Status : Answered

Chosen Option : C

Q.11 In the case of biaxial stress, second stress is _____.
8

- Ans ☒ A. along the direction of previous stress
☒ B. along tangential direction to previous stress
☒ C. parallel to previous stress
☒ D. along perpendicular direction to previous stress

Question ID : 44100962164
 Option 1 ID : 441009247691
 Option 2 ID : 441009247693
 Option 3 ID : 441009247692
 Option 4 ID : 441009247690

Status : Answered

Chosen Option : B

Q.11 In an M/D/1 queue, if the arrival rate of customers is 2 per minute and service rate is 3
9 per minute, calculate the average time a customer spends in the system.

- Ans ☒ A. 1.5 min
☒ B. 0.67 min
☒ C. 2 min
☒ D. 1 min

Question ID : 44100960295
 Option 1 ID : 441009240140
 Option 2 ID : 441009240142
 Option 3 ID : 441009240141
 Option 4 ID : 441009240139

Status : Answered

Chosen Option : B

Q.12 If c is the damping coefficient and x is the displacement of the mass from the mean
0 position at time t , then the expression for damping force is given by which of the following expressions?

- Ans ☒ A. $-c\dot{x}$
☒ B. cx
☒ C. $c\ddot{x}$
☒ D. c/\dot{x}

Question ID : 44100957185
 Option 1 ID : 441009227517
 Option 2 ID : 441009227516
 Option 3 ID : 441009227518
 Option 4 ID : 441009227519

Status : Answered

Chosen Option : C

Q.1 The value of a residential flat increases at a compound interest rate of 9.5% per annum. Three years after construction, the cost of the flat will be ₹29,56,800. Find the present value of the flat. (Round your answer to the nearest rupee).

Ans ☒ A. ₹22,52,058

☐ B. ₹25,78,560

☐ C. ₹23,45,700

☐ D. ₹24,98,000

Question ID : 44100933912

Option 1 ID : 441009134866

Option 2 ID : 441009134869

Option 3 ID : 441009134867

Option 4 ID : 441009134868

Status : Answered

Chosen Option : C

Q.2 If 'S' stands for '+', 'R' stands for 'x', 'P' stands for '+' and 'Q' stands for '-', which of the following is correct ?

Ans ☐ A. 7 R 45 S 15 P 64 Q 25 = 65

☐ B. 22 Q 13 P 60 S 4 R 5 = 74

☐ C. 13 R 8 P 21 S 7 Q 11 = 86

☒ D. 17 R 4 P 8 Q 49 S 7 = 69

Question ID : 44100926225

Option 1 ID : 441009104519

Option 2 ID : 441009104518

Option 3 ID : 441009104517

Option 4 ID : 441009104520

Status : Answered

Chosen Option : D

Q.3 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the letter-cluster pair that DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

Ans ☒ A. TN - EX

☐ B. AT - GZ

☐ C. RK - JC

☐ D. CV - QJ

Question ID : 44100918546

Option 1 ID : 44100973974

Option 2 ID : 44100973972

Option 3 ID : 44100973973

Option 4 ID : 44100973971

Status : Answered

Chosen Option : B

Q.4 What should come in place of the question mark (?) in the given series?

215, 251, 300, ?, 445, 545

Ans ☒ A. 344

☒ B. 354

☒ C. 364

☒ D. 374

Question ID : 44100922496

Option 1 ID : 44100989713

Option 2 ID : 44100989711

Option 3 ID : 44100989714

Option 4 ID : 44100989712

Status : Answered

Chosen Option : C

Q.5 To complete a certain work Riya and Priya work on alternate days, with Riya on the first day, Riya on the second day and again Priya on the third day. Riya can finish the work alone in 36 days. If the work gets completed in

25 days, then in how much time can Priya alone finish $\frac{8}{3}$ times the work?



Ans ☒ A. 47 days

☒ B. 52 days

☒ C. 39 days

☒ D. 43 days

Question ID : 44100940244

Option 1 ID : 441009160498

Option 2 ID : 441009160499

Option 3 ID : 441009160496

Option 4 ID : 441009160497

Status : Answered

Chosen Option : C

Q.6 Refer to the following letter, symbol series and answer the question. Counting to be done from left to right only.

(Left) G L \$ L ! O U * N B £ A Ω M % T O @ V # Y I W E < Z J V R J (Right)

How many such symbols are there each of which are immediately preceded by a vowel, but not immediately followed by another vowel?

- Ans ☒ A. Five
☒ B. Six
☒ C. Four
☒ D. Three

Question ID : 44100924196

Option 1 ID : 44100996501

Option 2 ID : 44100996500

Option 3 ID : 44100996502

Option 4 ID : 44100996503

Status : Answered

Chosen Option : D

Q.7 If $\sin A + \cos B = 1$ and $\angle A = 30^\circ$, then find the value of

$$(1 + \operatorname{cosec} A - \cos B) + (1 + \sin A + \sec B) + 3 \sin A \cos B.$$

- Ans ☒ A. $6\frac{3}{4}$
☒ B. $2\frac{5}{7}$
☒ C. $4\frac{2}{5}$
☒ D. $3\frac{4}{5}$

Question ID : 44100945145

Option 1 ID : 441009179792

Option 2 ID : 441009179789

Option 3 ID : 441009179791

Option 4 ID : 441009179790

Status : Answered

Chosen Option : D

Q.8 Ravindra sold his chair to Kavindra at a profit of 18%. Kavindra sold it to Manvendra at a loss of 12%. Manvendra sold it to Puneet at a profit of 10%. If Puneet paid ₹2,200 for it, then find the cost price of the chair for Ravindra (to the nearest rupees).

- Ans ☒ A. ₹1,728
☒ B. ₹1,805
☒ C. ₹1,926
☒ D. ₹2,012

Question ID : 44100938553

Option 1 ID : 441009153763

Option 2 ID : 441009153764

Option 3 ID : 441009153765

Option 4 ID : 441009153766

Status : Answered

Chosen Option : A

Q.9 If the equation $4x^2 + 3Kx - 36 = 0$ and $3x^2 - px + 12 = 0$ have equal roots, then find the possible value of K.

Ans

- ✓ A. $\frac{10}{3}$
 ✗ B. $\frac{-9}{4}$
 ✗ C. $\frac{-8}{3}$
 ✗ D. $\frac{7}{4}$

Question ID : 44100942612
 Option 1 ID : 441009169942
 Option 2 ID : 441009169939
 Option 3 ID : 441009169941
 Option 4 ID : 441009169940
 Status : Answered
 Chosen Option : C

Q.10 If 'A' stands for '÷', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '-', what will come in place of the question mark (?) in the following equation?

1973 D 875 A 125 C 19 B 43 = ?

Ans

- ✓ A. 2783
 ✗ B. 1163
 ✗ C. 2797
 ✗ D. 1149

Question ID : 44100926224
 Option 1 ID : 441009104516
 Option 2 ID : 441009104513
 Option 3 ID : 441009104515
 Option 4 ID : 441009104514
 Status : Answered
 Chosen Option : A

Q.11 Find the mean proportional between the fourth proportional of 84, 42 and 36 to the fourth proportional of 51, 68 and 24.

Ans

- ✓ A. 24
 ✗ B. 15
 ✗ C. 18
 ✗ D. 12

Question ID : 44100940187
 Option 1 ID : 441009160276
 Option 2 ID : 441009160274
 Option 3 ID : 441009160275
 Option 4 ID : 441009160273
 Status : Answered
 Chosen Option : A

Q.12 Refer to the following letter, symbol series and answer the question. Counting to be done from left to right only.

(Left) G L M % T O @ V # Y I W E < Z J V R J \$ L ! O U * N B £ A Ω Q D Q D (Right)

How many such symbols are there each of which are immediately preceded by a vowel, but not immediately followed by another vowel?

Ans ☒ A. Four

☐ B. Three

☐ C. Six

☐ D. Five

Question ID : 44100924192

Option 1 ID : 44100996486

Option 2 ID : 44100996487

Option 3 ID : 44100996484

Option 4 ID : 44100996485

Status : Answered

Chosen Option : B

Q.13 In a certain code language, 'AFFECTION' is coded as '711' and 'COMMUNITY' is coded as '1197'. What is the code for 'TREADMILL' in the given code language?

Ans ☐ A. 864

☐ B. 855

☐ C. 837

☒ D. 846

Question ID : 44100918680

Option 1 ID : 44100974490

Option 2 ID : 44100974488

Option 3 ID : 44100974489

Option 4 ID : 44100974491

Status : Answered

Chosen Option : C

Q.14 A shopkeeper offers 18% discount on all his goods and still makes a profit of 22%. If an item is marked ₹1,037, find its cost price.

Ans ☐ A. ₹708

☐ B. ₹897

☒ C. ₹697

☐ D. ₹785

Question ID : 44100938569

Option 1 ID : 441009153836

Option 2 ID : 441009153838

Option 3 ID : 441009153835

Option 4 ID : 441009153837

Status : Answered

Chosen Option : C

Q.15 Eight boxes A, E, O, P, R, T, V, and Y are kept one over the other but not necessarily in the same order.

Only two boxes are kept between A and Y.

Only two boxes are kept between Y and E.

Only one box is kept between P and R.

Only three boxes are kept above T.

Only one box is kept between T and O.

R is kept immediately above T.

How many boxes are kept between R and O?

Ans ☒ A. Three

☒ B. None

☒ C. Two

☒ D. One

Question ID : 44100919716

Option 1 ID : 44100978602

Option 2 ID : 44100978599

Option 3 ID : 44100978601

Option 4 ID : 44100978600

Status : Answered

Chosen Option : C

Q.16 Refer to the following letter, symbol, number series and answer the question. Counting to be done from left to right only.

(Left) G L \$ 1 4 L ! 6 O U * 9 N B £ A Ω Q 5 7 M E % T O 8 @ V # 1 Y I < W E 7 < 8 Z J V R J
(Right)

How many such symbols are there each of which are immediately preceded by a vowel, but not immediately followed by a number?

Ans ☒ A. Two

☒ B. Three

☒ C. Four

☒ D. Five

Question ID : 44100924204

Option 1 ID : 44100996535

Option 2 ID : 44100996534

Option 3 ID : 44100996533

Option 4 ID : 44100996532

Status : Answered

Chosen Option : C

Q.17 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

LQV 12.5, UZE 25, ?, MRW 50, VAF 62.5

Ans ☒ A. EJO 37.5

☒ B. DIN 37.5

☒ C. DIN 35.5

☒ D. EJO 35.5

Question ID : 44100918588

Option 1 ID : 44100974132

Option 2 ID : 44100974135

Option 3 ID : 44100974133

Option 4 ID : 44100974134

Status : Answered

Chosen Option : B

Q.18 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the letter-cluster pair that DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

Ans ☒ A. IB - BU

☒ B. RK - FX

☒ C. AT - SL

☒ D. PI - VO

Question ID : 44100918542

Option 1 ID : 44100973957

Option 2 ID : 44100973958

Option 3 ID : 44100973956

Option 4 ID : 44100973955

Status : Answered

Chosen Option : C

Q.19 Seven years ago, the age of Reena's mother was three times the age of Reena. Seven years from now mother's age will be twice the age of Reena. Find the sum of the present age of Reena and her mother.

Ans ☒ A. 85 years

☒ B. 70 years

☒ C. 78 years

☒ D. 68 years

Question ID : 44100942501

Option 1 ID : 441009169506

Option 2 ID : 441009169504

Option 3 ID : 441009169505

Option 4 ID : 441009169503

Status : Answered

Chosen Option : B

Q.20 Two pipes A and B can fill a tank with water in 15 hours and 18 hours, respectively, and a third pipe C can empty the tank in 10 hours. If the pipes be opened in order at 8:00 a.m., 9:00 a.m. and 11:00 a.m., respectively, then find at what time the tank will be filled.

Ans ☒ A. 06:00 p.m. the next day

☐ B. 2:00 a.m.

☐ C. 12:00 a.m.

☐ D. 1:00 a.m.

Question ID : 44100940250

Option 1 ID : 441009160520

Option 2 ID : 441009160523

Option 3 ID : 441009160521

Option 4 ID : 441009160522

Status : Answered

Chosen Option : B

Q.21 Ram starts walking to his friend's house from his home. He walks 7 m towards the north and takes a right turn. Then he walks 10 m before turning right. After that he walks for 4 m. Again he turns right and walks for 17 m. Once again he turns right and walks for 13 m. Then he takes the last right turn and walks for 7 m before stopping at his friend's house. What is the position of Ram's house with respect to his friend's house?

Ans ☐ A. South west

☒ B. South

☐ C. North

☐ D. North east

Question ID : 44100922546

Option 1 ID : 44100998809

Option 2 ID : 44100998808

Option 3 ID : 44100998807

Option 4 ID : 44100998810

Status : Answered

Chosen Option : C

Q.22 A six – digit number 5K89P9 is divisible by 3. Find the least possible value of K.

Ans ☒ A. 1

☐ B. 7

☐ C. 5

☐ D. 8

Question ID : 44100933924

Option 1 ID : 441009134914

Option 2 ID : 441009134916

Option 3 ID : 441009134915

Option 4 ID : 441009134917

Status : Answered

Chosen Option : B

Q.23 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All steel is iron.

Some iron is not aluminum.

Conclusion I: All aluminum is steel.

Conclusion II: Some aluminum can be steel.

Ans ☒ A. Only Conclusion II follows

☐ B. Both Conclusions I and II follow

☐ C. Neither Conclusion I nor Conclusion II follows

☐ D. Only Conclusion I follows

Question ID : 44100920336

Option 1 ID : 44100981080

Option 2 ID : 44100981081

Option 3 ID : 44100981082

Option 4 ID : 44100981079

Status : Answered

Chosen Option : B

Q.24 In a 18 kilometre circular race, three athletes Ravi, Avi and Kavi starts running, simultaneously. Athlete Ravi runs at a constant speed of 9 km/hr, athlete Avi runs at a constant speed of 10 km/hr for the first 8 km and then slows down to 8 km/hr, and athlete Kavi runs at a constant speed of 12 km/hr for the first 10 km and then speeds up to 15 km/hr. If all the athletes run in the same direction, how many kilometres will athlete Ravi be behind the winner, when the winner completes the race?

Ans ☐ A. 5.1 km

☒ B. 5.7 km

☐ C. 4.2 km

☐ D. 4.9 km

Question ID : 44100942432

Option 1 ID : 441009169233

Option 2 ID : 441009169234

Option 3 ID : 441009169231

Option 4 ID : 441009169232

Status : Answered

Chosen Option : C

Q.25 Eight friends, Ram, Shyam, Kiran, Piya, Teena, Ruby, Hema, and Pushpa, are sitting around a circular table facing the centre. Hema sits third to the right of Kiran. Ram sits second to the left of Teena. Ruby sits to the immediate left of Shyam. Teena sits third to the right of Piya. Pushpa is not an immediate neighbour of Teena. What is the position of Pushpa with respect to Ruby?

- Ans ☒ A. Third to the left
☒ B. Immediate left
☒ C. Second to the right
☒ D. Second to the left

Question ID : 44100917736

Option 1 ID : 44100970780

Option 2 ID : 44100970781

Option 3 ID : 44100970779

Option 4 ID : 44100970782

Status : Answered

Chosen Option : A

Q.26 Find the volume of a cone whose slant height is 43.25 m and radius of is 13 m (rounded off to two places of decimal, use $\pi = 3.14$).

- Ans ☒ A. 7758.05 m³
☒ B. 6823.25 m³
☒ C. 6158.54 m³
☒ D. 7296.58 m³

Question ID : 44100944615

Option 1 ID : 441009177686

Option 2 ID : 441009177684

Option 3 ID : 441009177683

Option 4 ID : 441009177685

Status : Answered

Chosen Option : B

Q.27 Eight boxes A, B, E, O, P, R, S and X are kept one over the other but not necessarily in the same order.

Only two boxes are kept between B and E.

Only one box is kept between E and A.

A is kept third from the bottom.

Only one box is kept between X and S.

R is kept immediately above P.

O is not kept in lower most position.

How many boxes are kept between O and A?

- Ans ☒ A. Two
☒ B. Three
☒ C. Four
☒ D. One

Question ID : 44100919707

Option 1 ID : 44100978565

Option 2 ID : 44100978564

Option 3 ID : 44100978563

Option 4 ID : 44100978566

Status : Answered

Chosen Option : B

Q.28 A quadrilateral PQRS is inscribed in a circle of centre O, such that SR and $\angle QPS = 128^\circ$. Find the value of $\frac{\angle RQS + \angle QPS + \angle QRS}{4}$.

- Ans ☒ A. 73°
☒ B. 49°
☒ C. 61°
☒ D. 38°

Question ID : 44100944750
Option 1 ID : 441009178231
Option 2 ID : 441009178229
Option 3 ID : 441009178230
Option 4 ID : 441009178228
Status : Answered
Chosen Option : D

Q.29 In a certain code language, 'AROMATIC' is coded as '640' and 'NUMERICAL' is coded as '864'. What is the code for 'EXPLOSION' in the given code language?

- Ans ☒ A. 1152
☒ B. 1170
☒ C. 1161
☒ D. 1032

Question ID : 44100918663
Option 1 ID : 44100974420
Option 2 ID : 44100974422
Option 3 ID : 44100974423
Option 4 ID : 44100974421
Status : Answered
Chosen Option : A

Q.30 Three dice are thrown together. Find the ratio between the probability of getting sum at least six to the probability of getting a sum at least 8.

- Ans ☒ A. 123 : 128
☒ B. 67 : 216
☒ C. 206 : 181
☒ D. 59 : 108

Question ID : 44100942573
Option 1 ID : 441009169789
Option 2 ID : 441009169788
Option 3 ID : 441009169790
Option 4 ID : 441009169787
Status : Answered
Chosen Option : C

Q.31 Eight friends, Sunny, Shubh, Soham, Karan, Ravi, Guru, Bala, and Mangal, are sitting around a circular table facing the centre. Guru sits second to the right of Bala. Mangal sits third to the left of Sunny. Karan sits second to the left of Soham. Ravi sits to the immediate right of Shubh. Sunny sits to the immediate right of Ravi. Shubh is not an immediate neighbour of Guru. Soham is not an immediate neighbour of Mangal. What is the position of Soham with respect to Mangal?

Ans ☒ A. Second to the left

☐ B. Fourth to the right

☐ C. Second to the right

☐ D. Third to the left

Question ID : 44100917759

Option 1 ID : 44100970874

Option 2 ID : 44100970873

Option 3 ID : 44100970872

Option 4 ID : 44100970871

Status : Answered

Chosen Option : C

Q.32 Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of ::?

: GIK :: IOU : %

Ans ☐ A. # = MEQ, % = CUO

☐ B. # = MER, % = CUP

☐ C. # = NEQ, % = DTP

☒ D. # = MDQ, % = CTO

Question ID : 44100918494

Option 1 ID : 44100973769

Option 2 ID : 44100973767

Option 3 ID : 44100973768

Option 4 ID : 44100973770

Status : Answered

Chosen Option : B

Q.33 Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of ::?

: XMJ :: KQW : %

Ans ☐ A. # = DHQ, % = FWR

☐ B. # = EHP, % = FVQ

☐ C. # = EIQ, % = FWR

☒ D. # = DHP, % = EVQ

Question ID : 44100918483

Option 1 ID : 44100973728

Option 2 ID : 44100973729

Option 3 ID : 44100973727

Option 4 ID : 44100973730

Status : Answered

Chosen Option : C

Q.34 Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of ::?

: GHC :: VGN : %

- Ans ☐ A. # = OAL, % = NNE
☐ B. # = PAL, % = NNE
☒ C. # = OBK, % = NMF
☐ D. # = PAK, % = ONF

Question ID : 44100918500

Option 1 ID : 44100973792

Option 2 ID : 44100973793

Option 3 ID : 44100973794

Option 4 ID : 44100973791

Status : Answered

Chosen Option : A

Q.35 Reena borrowed ₹68,000 from her friend. After two years, she returned ₹75,000 to that friend. What was the rate of simple interest charged by her friend (correct to one place of decimal)?

- Ans ☐ A. 6.7%
☐ B. 4.3%
☒ C. 5.1%
☐ D. 7.2%

Question ID : 44100932286

Option 1 ID : 441009128625

Option 2 ID : 441009128623

Option 3 ID : 441009128624

Option 4 ID : 441009128626

Status : Answered

Chosen Option : C

Q.36 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the letter-cluster pair that DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans ☐ A. NG - XQ
☒ B. OI - JC
☐ C. IB - PI
☐ D. UN - GZ

Question ID : 44100918543

Option 1 ID : 44100973960

Option 2 ID : 44100973961

Option 3 ID : 44100973962

Option 4 ID : 44100973959

Status : Answered

Chosen Option : B

Q.37 A number is first increased by 24%. The increased number is then decreased by 18% and again the decreased number is increased by 12%. The resulting number is greater than the original number by 694.08. Find the original number.

Ans ☒ A. 4320

☒ B. 5000

☒ C. 3695

☒ D. 4900

Question ID : 44100938443

Option 1 ID : 441009153336

Option 2 ID : 441009153338

Option 3 ID : 441009153335

Option 4 ID : 441009153337

Status : Answered

Chosen Option : C

Q.38 What should come in place of the question mark (?) in the given series?

413, 1744, 3472, 5669, ?, 11788

Ans ☒ A. 8433

☒ B. 7413

☒ C. 7433

☒ D. 8413

Question ID : 44100922504

Option 1 ID : 44100989744

Option 2 ID : 44100989743

Option 3 ID : 44100989745

Option 4 ID : 44100989746

Status : Answered

Chosen Option : D

Q.39 Find the mode of the given data (rounded off to two places of decimal).

Class interval	0-17	17-34	34-51	51-68	68-85	85-102
Frequency	8	11	15	10	13	12

Ans ☒ A. 41.56

☒ B. 37.26

☒ C. 39.87

☒ D. 38.31

Question ID : 44100940236

Option 1 ID : 441009160468

Option 2 ID : 441009160466

Option 3 ID : 441009160467

Option 4 ID : 441009160465

Status : Answered

Chosen Option : B

Q.40 The ratio of milk and mango juice in a solution is 28 : 9. After adding 24 litre milk and 12 litre mango juice in it, the ratio of milk and mango juice becomes 17 : 6. Find the final quantity of mango juice in the resultant solution.

Ans ☒ A. 54 litre

☒ B. 43 litre

☒ C. 48 litre

☒ D. 38 litre

Question ID : 44100932257

Option 1 ID : 441009128510

Option 2 ID : 441009128508

Option 3 ID : 441009128509

Option 4 ID : 441009128507

Status : Answered

Chosen Option : B

Q.41 If $P : Q = 3 : 5$ and $R : S = 8P : 9Q$, then find the value of $(P \times R)$

Ans ☒ A. 5 : 17

☒ B. 6 : 23

☒ C. 3 : 7

☒ D. 8 : 25

Question ID : 44100940194

Option 1 ID : 441009160302

Option 2 ID : 441009160303

Option 3 ID : 441009160301

Option 4 ID : 441009160304

Status : Answered

Chosen Option : D

Q.42 Find the average of the numbers 82, 73, 65, 87, 95, 82, 78, 69, 54 and 90.

Ans ☒ A. 65.8

☒ B. 69.3

☒ C. 77.5

☒ D. 72.4

Question ID : 44100932156

Option 1 ID : 441009128111

Option 2 ID : 441009128112

Option 3 ID : 441009128114

Option 4 ID : 441009128113

Status : Answered

Chosen Option : C

Q.43 The sum of three prime numbers is 142. If one of them exceeds another by 18, then find the difference between the largest prime number and the smallest prime number.

Ans ☒ A. 77

☒ B. 73

☒ C. 63

☒ D. 69

Question ID : 44100933943

Option 1 ID : 441009135001

Option 2 ID : 441009135000

Option 3 ID : 441009134998

Option 4 ID : 441009134999

Status : Answered

Chosen Option : C

Q.44 Refer to the following letter, number, symbol series and answer the question. Counting to be done from left to right only.

(Left) G L \$ 1 4 L ! 6 O U * 9 N B £ A Ω Q 5 7 M E % T O 8 @ V # 1 Y 4 I < W E 7 < 8 Z J V R
J (Right)

How many such letters are there each of which are immediately preceded by a symbol, but not immediately followed by an even number?

Ans ☒ A. Five

☒ B. Four

☒ C. Six

☒ D. Three

Question ID : 44100924207

Option 1 ID : 44100996545

Option 2 ID : 44100996546

Option 3 ID : 44100996544

Option 4 ID : 44100996547

Status : Not Answered

Chosen Option : --

Q.45 A shotput is a metallic sphere of radius 5.4 cm. The density of metal is

Find the mass of the shotput (in kg, rounded off to three decimal place

(Take $\pi = \frac{22}{7}$, Density = $\frac{\text{Mass}}{\text{Volume}}$).

Ans ☒ A. 32.568 kg

☒ B. 30.023 kg

☒ C. 29.038 kg

☒ D. 28.256 kg

Question ID : 44100944666

Option 1 ID : 441009177886

Option 2 ID : 441009177885

Option 3 ID : 441009177884

Option 4 ID : 441009177883

Status : Answered

Chosen Option : C

Q.46 In a certain code language,
'A + B' means 'A is the mother of B',
'A - B' means 'A is the brother of B',
'A x B' means 'A is the daughter of B' and
'A ÷ B' means 'A is the father of B'.

How is J related to P if 'J ÷ K x I + L - M ÷ P + O - N'?

- Ans ☒ A. Father's father
☒ B. Mother's brother
☒ C. Mother's father
☒ D. Father's brother

Question ID : 44100920540

Option 1 ID : 44100981893

Option 2 ID : 44100981894

Option 3 ID : 44100981891

Option 4 ID : 44100981892

Status : Answered

Chosen Option : A

Q.47 Romy was given an increment of 18% on his salary in 2022 and an increment of 20% on his salary in 2023. If his new salary after two increments in 2023 was ₹34,692, what was his salary before the two increments?

- Ans ☒ A. ₹24,500
☒ B. ₹22,540
☒ C. ₹20,700
☒ D. ₹18,650

Question ID : 44100938461

Option 1 ID : 441009153410

Option 2 ID : 441009153409

Option 3 ID : 441009153408

Option 4 ID : 441009153407

Status : Not Answered

Chosen Option : --

Q.48 Ravi travels from his house at a speed of 4.2 km/hr and reaches his school 8 minutes late. The next day, he travels at 6.2 km/hr and reaches 10 minutes early. What is the distance between his house and the school?

- Ans ☒ A. 3906 metres
☒ B. 3760 metres
☒ C. 3608 metres
☒ D. 3456 metres

Question ID : 44100942450

Option 1 ID : 441009169302

Option 2 ID : 441009169301

Option 3 ID : 441009169300

Option 4 ID : 441009169299

Status : Not Answered

Chosen Option : --

Q.49 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.

Statements:

All curtains are pillows.
Some pillows are bedsheets.

Conclusions:

- (I) All bedsheets are curtains.
(II) Some bedsheets are curtains.

- Ans ☒ A. Both conclusions (I) and (II) follow.
☒ B. Only conclusion (II) follows.
☒ C. Neither conclusion (I) nor (II) follows.
☒ D. Only conclusion (I) follows.

Question ID : 44100920314

Option 1 ID : 44100980994

Option 2 ID : 44100980992

Option 3 ID : 44100980993

Option 4 ID : 44100980991

Status : Answered

Chosen Option : D

Q.50 In quadrilateral ABCD, $\angle A = (2x + 2)^\circ$, $\angle B = (6x - 3)^\circ$, $\angle C = (7x - 1)^\circ$, $\angle D = (9x + 13)^\circ$. Which type of quadrilateral will ABCD be?

- Ans ☒ A. Square
☒ B. Rectangle
☒ C. Trapezium
☒ D. Parallelogram

Question ID : 44100944787

Option 1 ID : 441009178374

Option 2 ID : 441009178375

Option 3 ID : 441009178373

Option 4 ID : 441009178372

Status : Answered

Chosen Option : C

Q.1 What is the term used to describe the transformation of raw materials into products with higher value?

Ans ☒ A. Manufacturing

☒ B. Forestry

☒ C. Agriculture

☒ D. Construction

Question ID : 44100921454

Option 1 ID : 44100985559

Option 2 ID : 44100985562

Option 3 ID : 44100985560

Option 4 ID : 44100985561

Status : Answered

Chosen Option : A

Q.2 Which of the following is NOT the dimension to analyse the Human Development Index (HDI), which is analysed and published by the United Nations Development Programme (UNDP)?

Ans ☒ A. Empowerment

☒ B. Knowledge

☒ C. Long and Healthy Life

☒ D. A Decent Standard of Living

Question ID : 44100916073

Option 1 ID : 44100964161

Option 2 ID : 44100964163

Option 3 ID : 44100964162

Option 4 ID : 44100964164

Status : Answered

Chosen Option : C

Q.3 With a vision to reduce logistics cost for EXIM and domestic trade with minimal infrastructure investment, the concept of Sagarmala was approved by the Union Cabinet in which year?

Ans ☒ A. 2011

☒ B. 2002

☒ C. 2007

☒ D. 2015

Question ID : 44100916238

Option 1 ID : 44100964823

Option 2 ID : 44100964821

Option 3 ID : 44100964822

Option 4 ID : 44100964824

Status : Not Answered

Chosen Option : --

Q.4 In regions with high population density and limited land, which farming method is primarily used to maximise production using labour and chemical inputs?

- Ans ☒ A. Terrace farming
☒ B. Mixed farming
☒ C. Commercial farming
☒ D. Intensive subsistence farming

Question ID : 44100921438

Option 1 ID : 44100985497

Option 2 ID : 44100985498

Option 3 ID : 44100985495

Option 4 ID : 44100985496

Status : Answered

Chosen Option : C

Q.5 Which sector includes workers who manufacture finished goods from primary materials?

- Ans ☒ A. Secondary sector
☒ B. Primary sector
☒ C. Quaternary sector
☒ D. Tertiary sector

Question ID : 44100921458

Option 1 ID : 44100985576

Option 2 ID : 44100985575

Option 3 ID : 44100985578

Option 4 ID : 44100985577

Status : Answered

Chosen Option : A

Q.6 What proportion of India's total annual rainfall is received during the later part of the summer season?

- Ans ☒ A. 80%
☒ B. 60%
☒ C. 50%
☒ D. 70%

Question ID : 44100921494

Option 1 ID : 44100985730

Option 2 ID : 44100985728

Option 3 ID : 44100985727

Option 4 ID : 44100985729

Status : Answered

Chosen Option : B

Q.7 Which Indian city has recorded an alarming rise in child labour from September 2022 to June 2024?

Ans ☒ A. Guwahati

☒ B. Indore

☒ C. Patna

☒ D. Lucknow

Question ID : 44100916246

Option 1 ID : 44100964853

Option 2 ID : 44100964854

Option 3 ID : 44100964856

Option 4 ID : 44100964855

Status : Answered

Chosen Option : A

Q.8 How is the land prepared for cultivation in primitive subsistence farming?

Ans ☒ A. By clearing the land with primitive tools

☒ B. By using chemical pesticides

☒ C. Through modern machinery

☒ D. By using natural resources only

Question ID : 44100921447

Option 1 ID : 44100985533

Option 2 ID : 44100985534

Option 3 ID : 44100985531

Option 4 ID : 44100985532

Status : Answered

Chosen Option : D

Q.9 Which State achieved the highest 'Income' under 'A Decent Standard of Living' of Dimension 3 of the Human Development Index (HDI) and Gender Development Index (GDI) in the year 2017-18?

Ans ☒ A. Goa

☒ B. Bihar

☒ C. Maharashtra

☒ D. Karnataka

Question ID : 44100916214

Option 1 ID : 44100964726

Option 2 ID : 44100964725

Option 3 ID : 44100964727

Option 4 ID : 44100964728

Status : Answered

Chosen Option : D

Q.10 Which of the following sectors witnessed maximum growth during the 2002-2007 periods, which contributed most to the GDP of India for that period, after commencement of Economic Reforms in 1991?

Ans ☒ A. Services

☐ B. Mining

☐ C. Agriculture

☐ D. Industry

Question ID : 44100916294

Option 1 ID : 44100965046

Option 2 ID : 44100965048

Option 3 ID : 44100965045

Option 4 ID : 44100965047

Status : Answered

Chosen Option : A

Q.11 What is the name of the mission launched in 2010 that focused on micro irrigation?

Ans ☐ A. Water Resource Development Mission

☐ B. National Mission for Sustainable Agriculture

☐ C. Integrated Water Management Programme

☒ D. National Mission on Micro Irrigation

Question ID : 44100921483

Option 1 ID : 44100985686

Option 2 ID : 44100985683

Option 3 ID : 44100985685

Option 4 ID : 44100985684

Status : Answered

Chosen Option : C

Q.12 Bihar got its first Dry Port and Inland Container aimed at boosting logistics through a warehouse at Bihta in October 2024 which was approved by the Ministry of

Ans ☐ A. Heavy Industries

☒ B. Finance

☐ C. Rural Development

☐ D. Ports, Shipping and Waterways

Question ID : 44100916234

Option 1 ID : 44100964807

Option 2 ID : 44100964805

Option 3 ID : 44100964806

Option 4 ID : 44100964808

Status : Answered

Chosen Option : D

Q.13 Maternal Mortality Ratio (Maternal Death per 100000 live birth) and Adolescent Birth Rate (Birth per 1000 women ages 15-19 years), indicators of Gender Inequality Index (GII), indicate which dimension among the following?

Ans ☒ A. Knowledge

☒ B. A Decent Standard of Living

☒ C. Health

☒ D. Long and Healthy Life

Question ID : 44100916223

Option 1 ID : 44100964763

Option 2 ID : 44100964761

Option 3 ID : 44100964764

Option 4 ID : 44100964762

Status : Answered

Chosen Option : D

Q.14 The post-1991 India witnessed a rapid growth in Gross Domestic Product (GDP) on a continual basis for two decades where the growth of the Gross Domestic Product (GDP) increased from 5.6% during 1980-91 to ____ during 1992-2001.

Ans ☒ A. 4.4%

☒ B. 6.4%

☒ C. 5.8%

☒ D. 7.2%

Question ID : 44100916309

Option 1 ID : 44100965105

Option 2 ID : 44100965107

Option 3 ID : 44100965106

Option 4 ID : 44100965108

Status : Not Answered

Chosen Option : --

Q.15 The Pradhan Mantri Gram Sadak Yojana (PMGSY), i.e., Prime Minister Rural Roads Scheme, was launched in which year to provide all-weather road connectivity to unconnected habitations of population size 500+ in plain areas and 250+ in hills and other difficult areas?

Ans ☒ A. 2001

☒ B. 2002

☒ C. 2000

☒ D. 2003

Question ID : 44100916230

Option 1 ID : 44100964790

Option 2 ID : 44100964791

Option 3 ID : 44100964789

Option 4 ID : 44100964792

Status : Answered

Chosen Option : B

Q.16 Which factor plays a significant role in creating regional climate variations across India?

- Ans ☒ A. Temperature
☒ B. Wind
☒ C. Latitude
☒ D. Altitude

Question ID : 44100921499

Option 1 ID : 44100985749

Option 2 ID : 44100985750

Option 3 ID : 44100985748

Option 4 ID : 44100985747

Status : Answered

Chosen Option : C

Q.17 What kind of vegetation grows in areas of India where rainfall is less than 70 cm?

- Ans ☒ A. Montane forests
☒ B. Thorny trees and bushes
☒ C. Mangroves
☒ D. Tropical evergreen forests

Question ID : 44100921514

Option 1 ID : 44100985810

Option 2 ID : 44100985808

Option 3 ID : 44100985809

Option 4 ID : 44100985807

Status : Answered

Chosen Option : B

Q.18 Who was the Prime Minister of India and who was his Finance Minister, respectively, during commencement of the 1991 economic reforms?

- Ans ☒ A. PV Narasimha Rao and Jaswant Singh
☒ B. Chandra Shekhar and Manmohan Singh
☒ C. PV Narasimha Rao and Manmohan Singh
☒ D. VP Singh and P Chidambaram

Question ID : 44100916277

Option 1 ID : 44100964979

Option 2 ID : 44100964977

Option 3 ID : 44100964978

Option 4 ID : 44100964980

Status : Answered

Chosen Option : C

Q.19 What type of forest loses its leaves for six to eight weeks during the dry summer season?

- Ans ☒ A. Evergreen forest
☒ B. Coniferous forest
☒ C. Tropical rainforest
☒ D. Deciduous forest

Question ID : 44100921511
Option 1 ID : 44100985796
Option 2 ID : 44100985798
Option 3 ID : 44100985795
Option 4 ID : 44100985797
Status : Not Answered
Chosen Option : --

Q.20 What proportion of groundwater draft is used for irrigation in India?

- Ans ☒ A. 50%
☒ B. More than 90%
☒ C. 80%
☒ D. 70%

Question ID : 44100921478
Option 1 ID : 44100985663
Option 2 ID : 44100985666
Option 3 ID : 44100985665
Option 4 ID : 44100985664
Status : Answered
Chosen Option : A

Section : Section IV General English

Q.1 Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the correct order to form a meaningful and coherent paragraph.

P: Those who pass the examination at the end of the course are absorbed to various posts.

Q: Mastery over a trade or vocation enables students face life boldly.

R: Apart from academic courses, vocational courses are also taught in schools and colleges today.

S: Courses on animal husbandry, carpentry, book making, lab technic, etc., are spared in schools at higher secondary level today.

- Ans ☒ A. SQPR
☒ B. RQSP
☒ C. RSPQ
☒ D. SRPQ

Question ID : 44100912293
Option 1 ID : 44100948964
Option 2 ID : 44100948965
Option 3 ID : 44100948963
Option 4 ID : 44100948966
Status : Answered
Chosen Option : C

Q.2 Select the most appropriate ANTONYM of the given word.

Profusion

- Ans ☒ A. Abundance
☒ B. Congregate
☒ C. Surplus
☒ D. Economy

Question ID : 44100924635

Option 1 ID : 44100998256

Option 2 ID : 44100998258

Option 3 ID : 44100998257

Option 4 ID : 44100998259

Status : Answered

Chosen Option : C

Q.3 Select the most appropriate ANTONYM of the given word.

Virulent

- Ans ☒ A. Disparaging
☒ B. Vicious
☒ C. Contemptuous
☒ D. Compassionate

Question ID : 44100924606

Option 1 ID : 44100998143

Option 2 ID : 44100998142

Option 3 ID : 44100998140

Option 4 ID : 44100998141

Status : Not Answered

Chosen Option : --

Q.4 Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the correct order to form a meaningful and coherent paragraph.

- A) We must recognise that the natural and the mental order of things go hand in hand.
 B) Neither can be fully understood without the other.
 C) The clash of cultures between the humanities and the natural sciences is reignited over and over because of two images that portray the interrelationship of mind and nature very differently.
 D) To achieve peace between the two cultures, we need to overcome both views.

- Ans ☒ A. ADCB
☒ B. DCAB
☒ C. CDAB
☒ D. BADC

Question ID : 44100928572

Option 1 ID : 441009113821

Option 2 ID : 441009113822

Option 3 ID : 441009113820

Option 4 ID : 441009113823

Status : Answered

Chosen Option : C

Q.5 Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the correct order to form a meaningful and coherent paragraph.

- A) Surely ideas are timeless, outliving any particular philosopher and their marital status (or lack thereof)?
 B) To most, Midgley's attempt to discuss the relationship status of our most cherished philosophers would have been discarded as irrelevant, even scandalous.
 C) In a BBC radio script for the Third Programme (the precursor of BBC Radio 3), she dared to point out that almost all the canonical figures in philosophy's history had been unmarried men.
 D) In the 1950s, the philosopher Mary Midgley did something that, according to philosophical orthodoxy, she wasn't supposed to do.

Ans ☒ A. DACB

☒ B. DCBA

☒ C. BADC

☒ D. ABDC

Question ID : 44100928581

Option 1 ID : 441009113857

Option 2 ID : 441009113856

Option 3 ID : 441009113858

Option 4 ID : 441009113859

Status : Answered

Chosen Option : C

Q.6 Select the most appropriate option to fill in the blank.

Why is your brother so quarrelsome and _____ all the time? He keeps getting into fights.

Ans ☒ A. benevolent

☒ B. belligerent

☒ C. congregational

☒ D. aggrieved

Question ID : 44100928615

Option 1 ID : 441009113991

Option 2 ID : 441009113993

Option 3 ID : 441009113994

Option 4 ID : 441009113992

Status : Answered

Chosen Option : C

Q.7 Select the most appropriate option to fill in the blank.

Is there a doctor _____ the people on this bus?

Ans ☒ A. among

☒ B. between

☒ C. within

☒ D. into

Question ID : 44100928630

Option 1 ID : 441009114053

Option 2 ID : 441009114051

Option 3 ID : 441009114052

Option 4 ID : 441009114054

Status : Answered

Chosen Option : A

Q.8 Select the correct spelling of the incorrectly spelt word in the given sentence.

The modern state thus emerged on the periphery of a dynamic area of economic growth.

- Ans ☒ A. modren
☒ B. periphery
☒ C. emmerged
☒ D. dynamec

Question ID : 44100912705

Option 1 ID : 44100950595

Option 2 ID : 44100950594

Option 3 ID : 44100950596

Option 4 ID : 44100950593

Status : Answered

Chosen Option : B

Q.9 Select the most appropriate ANTONYM of the given word.

Preposterous

- Ans ☒ A. Prudent
☒ B. Insane
☒ C. Bizarre
☒ D. Foolish

Question ID : 44100912310

Option 1 ID : 44100949031

Option 2 ID : 44100949033

Option 3 ID : 44100949032

Option 4 ID : 44100949034

Status : Answered

Chosen Option : B

Q.10 Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the correct order to form a meaningful and coherent paragraph.

P: Originally it was a communication network within the US military establishment.

Q: Now it has become a worldwide network of decentered computer terminals and it is widely used for a variety of purposes.

R: Till the 1980s it was used mainly by academics and government technologists.

S: The Internet is poised to transform our society fundamentally.

- Ans ☒ A. SPRQ
☒ B. PQSR
☒ C. SQRQ
☒ D. PSRQ

Question ID : 44100912286

Option 1 ID : 44100948936

Option 2 ID : 44100948938

Option 3 ID : 44100948935

Option 4 ID : 44100948937

Status : Answered

Chosen Option : A

Q.11 Select the most appropriate synonym of the given word.

Quiescent

- Ans ☒ A. Energetic
- ☒ B. Unreserved
- ☒ C. Springy
- ☒ D. Catatonic

Question ID : 44100924706

Option 1 ID : 44100998539

Option 2 ID : 44100998540

Option 3 ID : 44100998541

Option 4 ID : 44100998542

Status : Not Answered

Chosen Option : --

Q.12 One of the four words in bold in the given sentence is incorrectly spelt. Select the option that rectifies the INCORRECTLY spelt word.

In 1946, as the Soviet Union installed communist **regimes** in East Germany, Poland and other European countries occupied during World War II, Winston Churchill declared that an 'iron curtain has **descended** across the continent'. In the so-called Cold War, the U.S. and U.S.S.R. **emerged** as leaders of opposing **alliances**.

- Ans ☒ A. Emarged
- ☒ B. Alliances
- ☒ C. Descendad
- ☒ D. Regims

Question ID : 44100926955

Option 1 ID : 441009107399

Option 2 ID : 441009107400

Option 3 ID : 441009107398

Option 4 ID : 441009107397

Status : Answered

Chosen Option : D

Q.13 Select the most appropriate option to fill in the blank.

Let us wait under this tree _____ the rain stops.

- Ans ☒ A. since
- ☒ B. lest
- ☒ C. unless
- ☒ D. until

Question ID : 44100928638

Option 1 ID : 441009114083

Option 2 ID : 441009114084

Option 3 ID : 441009114085

Option 4 ID : 441009114086

Status : Answered

Chosen Option : D

Q.14 Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the correct order to form a meaningful and coherent paragraph.

- A) From data collection, curation and augmentation to ethical oversight and continuous monitoring, human expertise ensures that AI systems are accurate, fair and aligned with societal values.
B) AI has the power to change the way we work completely, but we still need human intervention to get an optimised output.
C) Human-led AI data solutions are the backbone of successful AI models.
D) This is a seemingly obvious idea, also known as Moravec's Paradox.

Ans ☒ A. DBAC

☒ B. BDCA

☒ C. ADBC

☒ D. CBAD

Question ID : 44100928593

Option 1 ID : 441009113905

Option 2 ID : 441009113904

Option 3 ID : 441009113907

Option 4 ID : 441009113906

Status : Answered

Chosen Option : D

Q.15 Select the INCORRECTLY spelt word.

Ans ☒ A. Conscientious

☒ B. Garrulous

☒ C. Acquiesce

☒ D. Nausious

Question ID : 44100928410

Option 1 ID : 441009113169

Option 2 ID : 441009113171

Option 3 ID : 441009113168

Option 4 ID : 441009113170

Status : Not Answered

Chosen Option : --

Q.16 Select the most appropriate ANTONYM of the given word.

Retribution

Ans ☒ A. Vengeance

☒ B. Retaliation

☒ C. Clemency

☒ D. Revenge

Question ID : 44100912309

Option 1 ID : 44100949029

Option 2 ID : 44100949027

Option 3 ID : 44100949028

Option 4 ID : 44100949030

Status : Not Answered

Chosen Option : --

Q.17 Select the correct spelling of the incorrectly spelt word in the given sentence.

He is now urging the parliament's powerful environment committee to mount an investigation.

- Ans
- ☒ A. environment
 - ☒ B. investegation
 - ☒ C. parliment
 - ☒ D. committee

Question ID : 44100912702

Option 1 ID : 44100950584

Option 2 ID : 44100950581

Option 3 ID : 44100950583

Option 4 ID : 44100950582

Status : Answered

Chosen Option : D

Q.18 Select the most appropriate synonym of the given word.

Cynical

- Ans
- ☒ A. Pessimistic
 - ☒ B. Naive
 - ☒ C. Cheerful
 - ☒ D. Positive

Question ID : 44100912631

Option 1 ID : 44100950307

Option 2 ID : 44100950308

Option 3 ID : 44100950305

Option 4 ID : 44100950306

Status : Not Answered

Chosen Option : --

Q.19 Select the most appropriate option to fill in the blank.

Applying moisturiser is especially important for hands, as they tend to be one of the _____ parts of the body.

- Ans
- ☒ A. severest
 - ☒ B. purest
 - ☒ C. driest
 - ☒ D. finest

Question ID : 44100922808

Option 1 ID : 44100990962

Option 2 ID : 44100990961

Option 3 ID : 44100990959

Option 4 ID : 44100990960

Status : Answered

Chosen Option : C

Q.20 Select the most appropriate ANTONYM of the underlined word.

Salauddin is neither a powerful politician nor an affluent business tycoon.

Ans ☒ A. Impoverished

☒ B. Famous

☒ C. Forgotten

☒ D. Wealthy

Question ID : 44100926822

Option 1 ID : 441009106891

Option 2 ID : 441009106890

Option 3 ID : 441009106889

Option 4 ID : 441009106892

Status : Answered

Chosen Option : B

Q.21 Select the INCORRECTLY spelt word.

Ans ☒ A. Endeavour

☒ B. Chronology

☒ C. Symmetry

☒ D. Assimilation

Question ID : 44100912672

Option 1 ID : 44100950465

Option 2 ID : 44100950467

Option 3 ID : 44100950468

Option 4 ID : 44100950466

Status : Answered

Chosen Option : D

Q.22 Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the correct order to form a meaningful and coherent paragraph.

P: It is said that pen is mightier than a sword.

Q: No weapon can win a war as effectively as a pen can.

R: Their works have changed the world without shedding a drop of blood.

S: Write-ups of literary men and revolutionaries, scientists and theologians, philosophers and statesmen have proved the strength of pen.

Ans ☒ A. RQSP

☒ B. PQSR

☒ C. QRSP

☒ D. SRQP

Question ID : 44100912292

Option 1 ID : 44100948962

Option 2 ID : 44100948960

Option 3 ID : 44100948959

Option 4 ID : 44100948961

Status : Answered

Chosen Option : B

Q.23 Select the most appropriate option to fill in the blank.

Praveen is the _____ of all in the class.

- Ans ☒ A. tall
- ☒ B. tallest
- ☒ C. most tallest
- ☒ D. taller

Question ID : 44100912242
Option 1 ID : 44100948768
Option 2 ID : 44100948769
Option 3 ID : 44100948770
Option 4 ID : 44100948767
Status : Answered
Chosen Option : B

Q.24 Select the INCORRECTLY spelt word.

- Ans ☒ A. Quirk
- ☒ B. Liason
- ☒ C. Curious
- ☒ D. Minimal

Question ID : 44100928404
Option 1 ID : 441009113144
Option 2 ID : 441009113146
Option 3 ID : 441009113145
Option 4 ID : 441009113147
Status : Answered
Chosen Option : A

Q.25 Select the most appropriate option to fill in the blank.

He is to host a new half-hour show which will _____ every weekend evening.

- Ans ☒ A. have broadcasted
- ☒ B. been broadcasting
- ☒ C. had broadcasted
- ☒ D. be broadcast

Question ID : 44100922971
Option 1 ID : 44100991614
Option 2 ID : 44100991616
Option 3 ID : 44100991617
Option 4 ID : 44100991615
Status : Answered
Chosen Option : D

Q.26 Select the INCORRECTLY spelt word.

- Ans ☒ A. Propreitor
☒ B. Renaissance
☒ C. Skillful
☒ D. Address

Question ID : 44100912678
Option 1 ID : 44100950490
Option 2 ID : 44100950492
Option 3 ID : 44100950489
Option 4 ID : 44100950491
Status : Answered
Chosen Option : C

Q.27 Select the most appropriate ANTONYM of the given word.

Impediments

- Ans ☒ A. Advantages
☒ B. Handmaidens
☒ C. Obstacles
☒ D. Interferences

Question ID : 44100922991
Option 1 ID : 44100991699
Option 2 ID : 44100991701
Option 3 ID : 44100991700
Option 4 ID : 44100991698
Status : Answered
Chosen Option : C

Q.28 Select the most appropriate ANTONYM of the given word.

Verve

- Ans ☒ A. Lethargy
☒ B. Vigour
☒ C. Energy
☒ D. Strength

Question ID : 44100912307
Option 1 ID : 44100949019
Option 2 ID : 44100949021
Option 3 ID : 44100949020
Option 4 ID : 44100949022
Status : Not Answered
Chosen Option : --

Q.29 Select the most appropriate option to fill in the blank.

It _____ raining the whole of last week.

Ans ☒ A. was

☐ B. has been

☐ C. had been

☐ D. had

Question ID : 44100912267

Option 1 ID : 44100948866

Option 2 ID : 44100948865

Option 3 ID : 44100948864

Option 4 ID : 44100948863

Status : Answered

Chosen Option : A

Q.30 Select the correct spelling of the incorrectly spelt word in the given sentence.

The result, as the discrepancy in water consumption shows, is neither equitable nor reasonable.

Ans ☐ A. equitable

☒ B. discrepancy

☐ C. consumption

☐ D. reasonable

Question ID : 44100912692

Option 1 ID : 44100950547

Option 2 ID : 44100950545

Option 3 ID : 44100950546

Option 4 ID : 44100950548

Status : Answered

Chosen Option : C

Q.31 Select the most appropriate option to fill in the blank.

The comedian is prone to _____ offensive things during his stand-up comedies.

Ans ☐ A. say

☐ B. said

☒ C. saying

☐ D. has said

Question ID : 44100922959

Option 1 ID : 44100991567

Option 2 ID : 44100991568

Option 3 ID : 44100991566

Option 4 ID : 44100991569

Status : Answered

Chosen Option : A

Q.32 Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the correct order to form a meaningful and coherent paragraph.

- A: The installation of short-range Doppler radar at airports has given air traffic controllers the ability to know when conditions are ripe for microbursts or wind shear.
 B: Precursors to things like tornadoes and hurricanes.
 C: By tracking changes in the speed and direction of wind and precipitation, Doppler radar helps detect when dangerous rotational patterns are developing.
 D: A phenomenon that has caused planes to crash at takeoff and landing.
 E: Meteorologists use the phenomenon to improve their ability to warn of imminent weather.
 F: Astronomers have applied the Doppler effect, the change in the wavelength of light emitted by a moving star, to show that galaxies are moving away from one another.

Ans ☒ A. C, B, A, D, F, E

☒ B. B, D, C, E, F, A

☒ C. A, B, C, D, E, F

☒ D. A, D, E, F, B, C

Question ID : 44100913116

Option 1 ID : 44100952260

Option 2 ID : 44100952259

Option 3 ID : 44100952257

Option 4 ID : 44100952258

Status : Answered

Chosen Option : D

Q.33 Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the correct order to form a meaningful and coherent paragraph.

- A: When this meridian is crossed from west to east, the date advances by one day.
 B: In crossing the line in the opposite direction, from east to west, the date reverts by one day. In reality, however, a number of situations cause adjustments to the international date line.
 C: Political frontiers, such as Russia's Kamchatka Peninsula, push out the line to keep a nation's territory intact, datewise.
 D: In theory, the international date line represents the 180 meridian of longitude.
 E: These local modifications move the international date line off the 180 meridian for much of its length.
 F: Similarly, the line takes detours to keep together all islands in some Pacific Ocean groups.

Ans ☒ A. D, A, B, C, F, E

☒ B. C, E, D, A, F, B

☒ C. A, B, C, D, E, F

☒ D. B, C, A, E, F, D

Question ID : 44100913028

Option 1 ID : 44100951907

Option 2 ID : 44100951908

Option 3 ID : 44100951905

Option 4 ID : 44100951906

Status : Answered

Chosen Option : D

Q.34 Select the INCORRECTLY spelt word.

- Ans ☒ A. Sacrilegious
☒ B. Resuscitate
☒ C. Bourgois
☒ D. Mezzanine

Question ID : 44100928413
Option 1 ID : 441009113181
Option 2 ID : 441009113182
Option 3 ID : 441009113183
Option 4 ID : 441009113180
Status : Not Answered
Chosen Option : --

Q.35 Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the correct order to form a meaningful and coherent paragraph.

- A: The British Expeditionary Force in Egypt experimented with using aerial photographs to prepare maps.
B: Wilbur Wright took the first aerial photographs from an airplane during a flight over Italy in 1909.
C: By 1918, during World War I, French aerial units were taking 10,000 aerial photos daily, mostly for interpretation.
D: By the mid-century, aerial photographers and cartographers were preparing basic topographic map coverage for much of the world.
E: Later, with the introduction of sensing devices beyond the normal visual range of film, many new kinds of maps were produced.
F: Measurements were taken directly from photographs, which became substitutes for costly and time-consuming ground surveys.

- Ans ☒ A. D, B, E, F, A, C
☒ B. A, B, C, D, E, F
☒ C. B, C, A, D, F, E
☒ D. E, F, C, D, A, B

Question ID : 44100913055
Option 1 ID : 44100952015
Option 2 ID : 44100952014
Option 3 ID : 44100952013
Option 4 ID : 44100952016
Status : Answered
Chosen Option : A

Q.36 Select the most appropriate option to fill in the blank.

Did you hear a noise _____?

- Ans ☒ A. presently
☒ B. currently
☒ C. just now
☒ D. since now

Question ID : 44100912256
Option 1 ID : 44100948820
Option 2 ID : 44100948819
Option 3 ID : 44100948821
Option 4 ID : 44100948822
Status : Answered
Chosen Option : B

Q.37 Select the option that rectifies the INCORRECTLY spelt word in the given sentence.
I had a horrifying experieince yesterday at the mall.

- Ans ☒ A. experience
☒ B. expiereince
☒ C. expeirience
☒ D. experience

Question ID : 44100928379
Option 1 ID : 441009113046
Option 2 ID : 441009113044
Option 3 ID : 441009113045
Option 4 ID : 441009113047
Status : Answered
Chosen Option : D

Q.38 Select the most appropriate synonym of the given word.

Hindrance

- Ans ☒ A. Advantage
☒ B. Obstruction
☒ C. Burden
☒ D. Freedom

Question ID : 44100924724
Option 1 ID : 44100998612
Option 2 ID : 44100998611
Option 3 ID : 44100998614
Option 4 ID : 44100998613
Status : Answered
Chosen Option : B

Q.39 Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the correct order to form a meaningful and coherent paragraph.

P: It is a piece of composition on any subject, usually in prose.

Q: An essay is a literary composition giving expression to one's own personal ideas or opinions on a topic.

R: A good essay is an artistic composition and is the result of a conscious effort to produce a unified, balanced and consistent piece of writing.

S: The word 'essay' literally means 'an attempt'.

- Ans ☒ A. QSPR
☒ B. RPQS
☒ C. SQRP
☒ D. SRQP

Question ID : 44100912288
Option 1 ID : 44100948945
Option 2 ID : 44100948944
Option 3 ID : 44100948946
Option 4 ID : 44100948943
Status : Answered
Chosen Option : C

Q.40 Select the most appropriate part of speech to fill in the blank.

_____ teachers prefer a class that is fairly consistent in having pupils of the same level.

- Ans ☒ A. Each
☒ B. Most
☒ C. Neither
☒ D. Every

Question ID : 44100922815

Option 1 ID : 44100990990

Option 2 ID : 44100990989

Option 3 ID : 44100990987

Option 4 ID : 44100990988

Status : Answered

Chosen Option : B

Comprehension:

Read the given passage carefully and answer the questions that follow.

The Supreme Court of India, considering high air pollution levels in Indian cities, passed an order which is considered as one of the important judgements. The order banned the fresh registration of diesel vehicles having more than 2000cc in and around New Delhi. The failure of successive governments and local bodies in taking effective measures to minimise air pollution has resulted in cities reaching the dire situation. This prompted the Supreme Court to step and passed the order. It is not necessary, therefore, to discuss the pros and cons of a three-month long ban, on a trial basis. The court consciously targeted only luxury vehicles, sports utility vehicles (SUVs) besides big trucks, affordable to affluent people, sparing the common man. It concurred with the argument that diesel vehicles pollute the most, contributing to pollution. Experts have maintained that 'diesel exhaust consist of 10 – 100 times more particles than petrol'. Moreover, diesel exhaust is said to contain smaller particles which are more hazardous as they enter the deeper recesses of lungs and stay longer causing serious harm to health.

Of course, the automobile industry argued that trade and commerce will be hard hit and will affect the smooth supply of essentials in the city of Delhi. They are also arguing, for the revocation of ban, on two grounds, one, that diesel is not as dirty as environmentalists claim, two, there were other more dangerous sources of pollution which should be tackled first. When faced with an adverse judgement, Corporate seek new scientific studies and proof.

SubQuestion No : 41

Q.41 What does the term 'dire situation' mean in the passage?

- Ans ☒ A. Extremely vague situation
☒ B. Extremely trivial situation
☒ C. Extremely hideous situation
☒ D. Extremely serious or urgent situation

Question ID : 44100912757

Option 1 ID : 44100950822

Option 2 ID : 44100950823

Option 3 ID : 44100950821

Option 4 ID : 44100950820

Status : Answered

Chosen Option : D

Comprehension:

Read the given passage carefully and answer the questions that follow.

The Supreme Court of India, considering high air pollution levels in Indian cities, passed an order which is considered as one of the important judgements. The order banned the fresh registration of diesel vehicles having more than 2000cc in and around New Delhi. The failure of successive governments and local bodies in taking effective measures to minimise air pollution has resulted in cities reaching the dire situation. This prompted the Supreme Court to step and passed the order. It is not necessary, therefore, to discuss the pros and cons of a three-month long ban, on a trial basis. The court consciously targeted only luxury vehicles, sports utility vehicles (SUVs) besides big trucks, affordable to affluent people, sparing the common man. It concurred with the argument that diesel vehicles pollute the most, contributing to pollution. Experts have maintained that 'diesel exhaust consist of 10 – 100 times more particles than petrol'. Moreover, diesel exhaust is said to contain smaller particles which are more hazardous as they enter the deeper recesses of lungs and stay longer causing serious harm to health.

Of course, the automobile industry argued that trade and commerce will be hard hit and will affect the smooth supply of essentials in the city of Delhi. They are also arguing, for the revocation of ban, on two grounds, one, that diesel is not as dirty as environmentalists claim, two, there were other more dangerous sources of pollution which should be tackled first. When faced with an adverse judgement, Corporate seek new scientific studies and proof.

SubQuestion No : 42

Q.42 Which of the following facts is FALSE, according to the passage?

- Ans ☒ A. Diesel exhaust consists of 10-100 times more particles than petrol.
- ☒ B. The Supreme Court's decision was mainly targeted towards the luxury vehicles and sports utility vehicles (SUVs).
- ☒ C. Petrol vehicles pollute the most as compared to the diesel vehicles.
- ☒ D. The ban on registration of diesel vehicles beyond 2000cc has been done in and around New Delhi points.

Question ID : 44100912760

Option 1 ID : 44100950832

Option 2 ID : 44100950835

Option 3 ID : 44100950833

Option 4 ID : 44100950834

Status : Answered

Chosen Option : C

Comprehension:

Read the given passage carefully and answer the questions that follow.

The Supreme Court of India, considering high air pollution levels in Indian cities, passed an order which is considered as one of the important judgements. The order banned the fresh registration of diesel vehicles having more than 2000cc in and around New Delhi. The failure of successive governments and local bodies in taking effective measures to minimise air pollution has resulted in cities reaching the dire situation. This prompted the Supreme Court to step and passed the order. It is not necessary, therefore, to discuss the pros and cons of a three-month long ban, on a trial basis. The court consciously targeted only luxury vehicles, sports utility vehicles (SUVs) besides big trucks, affordable to affluent people, sparing the common man. It concurred with the argument that diesel vehicles pollute the most, contributing to pollution. Experts have maintained that 'diesel exhaust consist of 10 – 100 times more particles than petrol'. Moreover, diesel exhaust is said to contain smaller particles which are more hazardous as they enter the deeper recesses of lungs and stay longer causing serious harm to health.

Of course, the automobile industry argued that trade and commerce will be hard hit and will affect the smooth supply of essentials in the city of Delhi. They are also arguing, for the revocation of ban, on two grounds, one, that diesel is not as dirty as environmentalists claim, two, there were other more dangerous sources of pollution which should be tackled first. When faced with an adverse judgement, Corporate seek new scientific studies and proof.

SubQuestion No : 43

Q.43 Select the ANTONYM of the word 'continuation' from the passage.

- Ans ☒ A. Recess
☒ B. Hazardous
☒ C. Revocation
☒ D. Affect

Question ID : 44100912759

Option 1 ID : 44100950828

Option 2 ID : 44100950831

Option 3 ID : 44100950830

Option 4 ID : 44100950829

Status : Answered

Chosen Option : A

Comprehension:

Read the given passage carefully and answer the questions that follow.

The Supreme Court of India, considering high air pollution levels in Indian cities, passed an order which is considered as one of the important judgements. The order banned the fresh registration of diesel vehicles having more than 2000cc in and around New Delhi. The failure of successive governments and local bodies in taking effective measures to minimise air pollution has resulted in cities reaching the dire situation. This prompted the Supreme Court to step and passed the order. It is not necessary, therefore, to discuss the pros and cons of a three-month long ban, on a trial basis. The court consciously targeted only luxury vehicles, sports utility vehicles (SUVs) besides big trucks, affordable to affluent people, sparing the common man. It concurred with the argument that diesel vehicles pollute the most, contributing to pollution. Experts have maintained that 'diesel exhaust consist of 10 – 100 times more particles than petrol'. Moreover, diesel exhaust is said to contain smaller particles which are more hazardous as they enter the deeper recesses of lungs and stay longer causing serious harm to health.

Of course, the automobile industry argued that trade and commerce will be hard hit and will affect the smooth supply of essentials in the city of Delhi. They are also arguing, for the revocation of ban, on two grounds, one, that diesel is not as dirty as environmentalists claim, two, there were other more dangerous sources of pollution which should be tackled first. When faced with an adverse judgement, Corporate seek new scientific studies and proof.

SubQuestion No : 44

Q.44 Which of the following statements will be favourable for automobile manufacturers and distributors?

- Ans ☒ A. Diesel exhaust can cause serious harm to the health of human beings.
- ☒ B. Diesel exhaust is said to contain smaller particles which are hazardous.
- ☒ C. Diesel is one of the more dangerous sources of pollution.
- ☒ D. Diesels is not as dirty as environmentalists claim it to be.

Question ID : 44100912758

Option 1 ID : 44100950827

Option 2 ID : 44100950824

Option 3 ID : 44100950825

Option 4 ID : 44100950826

Status : Answered

Chosen Option : D

Comprehension:

Read the given passage carefully and answer the questions that follow.

The Supreme Court of India, considering high air pollution levels in Indian cities, passed an order which is considered as one of the important judgements. The order banned the fresh registration of diesel vehicles having more than 2000cc in and around New Delhi. The failure of successive governments and local bodies in taking effective measures to minimise air pollution has resulted in cities reaching the dire situation. This prompted the Supreme Court to step and passed the order. It is not necessary, therefore, to discuss the pros and cons of a three-month long ban, on a trial basis. The court consciously targeted only luxury vehicles, sports utility vehicles (SUVs) besides big trucks, affordable to affluent people, sparing the common man. It concurred with the argument that diesel vehicles pollute the most, contributing to pollution. Experts have maintained that 'diesel exhaust consist of 10 – 100 times more particles than petrol'. Moreover, diesel exhaust is said to contain smaller particles which are more hazardous as they enter the deeper recesses of lungs and stay longer causing serious harm to health.

Of course, the automobile industry argued that trade and commerce will be hard hit and will affect the smooth supply of essentials in the city of Delhi. They are also arguing, for the revocation of ban, on two grounds, one, that diesel is not as dirty as environmentalists claim, two, there were other more dangerous sources of pollution which should be tackled first. When faced with an adverse judgement, Corporate seek new scientific studies and proof.

SubQuestion No : 45

Q.45 According to the passage, which vehicle is banned from registration?

Ans ☒ **A. Diesel vehicles with a capacity of more than 2000cc**

☐ **B. Sports utility vehicles (SUVs)**

☐ **C. Vehicles affordable only by affluent people**

☐ **D. Luxury vehicles**

Question ID : **44100912756**

Option 1 ID : **44100950819**

Option 2 ID : **44100950817**

Option 3 ID : **44100950818**

Option 4 ID : **44100950816**

Status : **Answered**

Chosen Option : **A**

Comprehension:

Read the given passage carefully and answer the questions that follow.

The Festival of Bonalu has become one of the official Hindu festivals of the newly formed Telangana State. This is mainly celebrated in the twin cities of Hyderabad, Secunderabad and also in some parts of the state. The Goddess Mahakali and various incarnations of Shakti as Mysamma, Muthyalamma, Pochamma, Yellamma and Peddamma are worshipped in this festival on a great scale. This is observed generally on the Sundays in Ashada Masam, in the months of July or August every year. The name Bonam itself is derived from the word Bojanam that means meal or food offered to the Goddess.

The Devotees prepare rice cooked with milk and jaggery in a new brass or earthen pot. It is adorned with neem leaves and lighted lamp on the top of it. They make a procession on the temple by carrying the pots on their heads along with new sari, bangles, turmeric and vermilion to offer Bonalu to the Mother Goddess.

It is believed that the festival is celebrated towards off the distresses and usher in good health, peace and prosperity. The festival is supposed to have begun in 1869 when plague broke out in the twin cities. Then the people wanted to appease Mother Goddess whose anger was considered to be the causes of the epidemic. This is specially celebrated in Ujjain Mahakali Mandir, Lal Darwaza, Secunderabad for three days with great pomp and gaiety. The festival concludes with the immersion of Ghatam on the third and final day whereas the second day is celebrated as Rangam.

SubQuestion No : 46

Q.46 Select the ANTONYM of the word 'austere' from the passage.

- Ans ☒ A. Adorned
☒ B. Appease
☒ C. Immersion
☒ D. Gaiety

Question ID : 44100912811

Option 1 ID : 44100951037

Option 2 ID : 44100951036

Option 3 ID : 44100951039

Option 4 ID : 44100951038

Status : Not Answered

Chosen Option : --

Comprehension:

Read the given passage carefully and answer the questions that follow.

The Festival of Bonalu has become one of the official Hindu festivals of the newly formed Telangana State. This is mainly celebrated in the twin cities of Hyderabad, Secunderabad and also in some parts of the state. The Goddess Mahakali and various incarnations of Shakti as Mysamma, Muthyalamma, Pochamma, Yellamma and Peddamma are worshipped in this festival on a great scale. This is observed generally on the Sundays in Ashada Masam, in the months of July or August every year. The name Bonam itself is derived from the word Bojanam that means meal or food offered to the Goddess.

The Devotees prepare rice cooked with milk and jaggery in a new brass or earthen pot. It is adorned with neem leaves and lighted lamp on the top of it. They make a procession on the temple by carrying the pots on their heads along with new sari, bangles, turmeric and vermilion to offer Bonalu to the Mother Goddess.

It is believed that the festival is celebrated towards off the distresses and usher in good health, peace and prosperity. The festival is supposed to have begun in 1869 when plague broke out in the twin cities. Then the people wanted to appease Mother Goddess whose anger was considered to be the causes of the epidemic. This is specially celebrated in Ujjain Mahakali Mandir, Lal Darwaza, Secunderabad for three days with great pomp and gaiety. The festival concludes with the immersion of Ghatam on the third and final day whereas the second day is celebrated as Rangam.

SubQuestion No : 47

Q.47 Which of the following is NOT a true statement, according to the passage?

Ans ☒ A. The festival is associated with food offered to the Goddess.

☒ B. The festival is celebrated in Delhi and Mumbai.

☒ C. The festival is celebrated in the Ashada Masam.

☒ D. Pochamma is an incarnation of Goddess Mahakali.

Question ID : 44100912808

Option 1 ID : 44100951026

Option 2 ID : 44100951025

Option 3 ID : 44100951024

Option 4 ID : 44100951027

Status : Answered

Chosen Option : B

Comprehension:

Read the given passage carefully and answer the questions that follow.

The Festival of Bonalu has become one of the official Hindu festivals of the newly formed Telangana State. This is mainly celebrated in the twin cities of Hyderabad, Secunderabad and also in some parts of the state. The Goddess Mahakali and various incarnations of Shakti as Mysamma, Muthyalamma, Pochamma, Yellamma and Peddamma are worshipped in this festival on a great scale. This is observed generally on the Sundays in Ashada Masam, in the months of July or August every year. The name Bonam itself is derived from the word Bojanam that means meal or food offered to the Goddess.

The Devotees prepare rice cooked with milk and jaggery in a new brass or earthen pot. It is adorned with neem leaves and lighted lamp on the top of it. They make a procession on the temple by carrying the pots on their heads along with new sari, bangles, turmeric and vermilion to offer Bonalu to the Mother Goddess.

It is believed that the festival is celebrated towards off the distresses and usher in good health, peace and prosperity. The festival is supposed to have begun in 1869 when plague broke out in the twin cities. Then the people wanted to appease Mother Goddess whose anger was considered to be the causes of the epidemic. This is specially celebrated in Ujjain Mahakali Mandir, Lal Darwaza, Secunderabad for three days with great pomp and gaiety. The festival concludes with the immersion of Ghatam on the third and final day whereas the second day is celebrated as Rangam.

SubQuestion No : 48

Q.48 What is the purpose of the festival, according to the passage?

- Ans ☒ A. To spread awareness about the breakout of any epidemic in the twin cities
- ☒ B. To conclude with the immersion of Ghatam
- ☒ C. To pray for the wellbeing of the people
- ☒ D. To carry out a procession

Question ID : 44100912810

Option 1 ID : 44100951034

Option 2 ID : 44100951033

Option 3 ID : 44100951032

Option 4 ID : 44100951035

Status : Answered

Chosen Option : A

Comprehension:

Read the given passage carefully and answer the questions that follow.

The Festival of Bonalu has become one of the official Hindu festivals of the newly formed Telangana State. This is mainly celebrated in the twin cities of Hyderabad, Secunderabad and also in some parts of the state. The Goddess Mahakali and various incarnations of Shakti as Mysamma, Muthyalamma, Pochamma, Yellamma and Peddamma are worshipped in this festival on a great scale. This is observed generally on the Sundays in Ashada Masam, in the months of July or August every year. The name Bonam itself is derived from the word Bojanam that means meal or food offered to the Goddess.

The Devotees prepare rice cooked with milk and jaggery in a new brass or earthen pot. It is adorned with neem leaves and lighted lamp on the top of it. They make a procession on the temple by carrying the pots on their heads along with new sari, bangles, turmeric and vermilion to offer Bonalu to the Mother Goddess.

It is believed that the festival is celebrated towards off the distresses and usher in good health, peace and prosperity. The festival is supposed to have begun in 1869 when plague broke out in the twin cities. Then the people wanted to appease Mother Goddess whose anger was considered to be the causes of the epidemic. This is specially celebrated in Ujjain Mahakali Mandir, Lal Darwaza, Secunderabad for three days with great pomp and gaiety. The festival concludes with the immersion of Ghatam on the third and final day whereas the second day is celebrated as Rangam.

SubQuestion No : 49

Q.49 Which of the following is the central theme of the passage?

- Ans ☒ A. It publicises the state of Telangana.
- ☒ B. It appeases Goddess Mahakali.
- ☒ C. It describes the way Bonalu festival is celebrated and its origin.
- ☒ D. It creates an awareness about the Hindu culture.

Question ID : 44100912812

Option 1 ID : 44100951042

Option 2 ID : 44100951043

Option 3 ID : 44100951040

Option 4 ID : 44100951041

Status : Answered

Chosen Option : C

Comprehension:

Read the given passage carefully and answer the questions that follow.

The Festival of Bonalu has become one of the official Hindu festivals of the newly formed Telangana State. This is mainly celebrated in the twin cities of Hyderabad, Secunderabad and also in some parts of the state. The Goddess Mahakali and various incarnations of Shakti as Mysamma, Muthyalamma, Pochamma, Yellamma and Peddamma are worshipped in this festival on a great scale. This is observed generally on the Sundays in Ashada Masam, in the months of July or August every year. The name Bonam itself is derived from the word Bojanam that means meal or food offered to the Goddess.

The Devotees prepare rice cooked with milk and jaggery in a new brass or earthen pot. It is adorned with neem leaves and lighted lamp on the top of it. They make a procession on the temple by carrying the pots on their heads along with new sari, bangles, turmeric and vermilion to offer Bonalu to the Mother Goddess.

It is believed that the festival is celebrated towards off the distresses and usher in good health, peace and prosperity. The festival is supposed to have begun in 1869 when plague broke out in the twin cities. Then the people wanted to appease Mother Goddess whose anger was considered to be the causes of the epidemic. This is specially celebrated in Ujjain Mahakali Mandir, Lal Darwaza, Secunderabad for three days with great pomp and gaiety. The festival concludes with the immersion of Ghatam on the third and final day whereas the second day is celebrated as Rangam.

SubQuestion No : 50

Q.50 What do you mean by 'Bonam'?

- Ans ☒ A. Meal or food
- ☐ B. Wooden deities
- ☐ C. Gold ornaments
- ☐ D. Gathering of relatives

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Option 1 ID : 44100951030

Option 2 ID : 44100951029

Option 3 ID : 44100951028

Option 4 ID : 44100951031

Status : Answered

Chosen Option : A