

PGCIL 01 Jul 2026 7 Posts

Participant ID	
Participant Name	
Test Center Name	
Test Date	01/07/2026
Test Time	1:00 PM - 3:00 PM
Subject	Diploma Trainee Survey

Section : Technical Knowledge Test

Q.1 In Indian railway surveying practice, the degree of a simple circular curve is commonly determined using the:

- Ans**
- ☒ 1. Versed sine designation
 - ☒ 2. Arc definition of curve
 - ☒ 3. Chord definition of the curve
 - ☒ 4. Central angle specification

Question ID : 4410092000404

Option 1 ID : 4410097878063

Option 2 ID : 4410097878062

Option 3 ID : 4410097878061

Option 4 ID : 4410097878064

Chosen Option : 3

Q.2 In plane table surveying, the plotted rays on the drawing sheet represent:

- Ans**
- ☒ 1. Contour gradients between benchmark observation points accurately
 - ☒ 2. Actual directions of objects relative to the instrument station
 - ☒ 3. Magnetic declination values measured during compass observations directly
 - ☒ 4. Reduced level differences obtained through levelling procedures only

Question ID : 4410092016316

Option 1 ID : 4410097939677

Option 2 ID : 4410097939675

Option 3 ID : 4410097939678

Option 4 ID : 4410097939676

Chosen Option : 2

Q.3 Errors due to sag in a measuring chain or tape are generally classified as:

- Ans**
- ☒ 1. Random errors because their magnitude changes unpredictably in every observation
 - ☒ 2. Personal errors because they occur only during manual observation of graduations
 - ☒ 3. Blunders because they result entirely from the carelessness of field personnel
 - ☒ 4. Systematic errors because their influence follows a determinable physical relationship

Question ID : 4410091993887

Option 1 ID : 4410097853053

Option 2 ID : 4410097853056

Option 3 ID : 4410097853055

Option 4 ID : 4410097853054

Chosen Option : 1

Q.4 The term 'BVLOS' in drone operations indicates that the drone:

- Ans**
- ☒ 1. Balances vertical loads using on-board stabilization mechanisms automatically
 - ☒ 2. Operates beyond continuous visual contact of the operator
 - ☒ 3. Broadcasts video location observations through laser optical systems
 - ☒ 4. Flies below variable levels of stabilized atmospheric pressure

Question ID : 4410092010401

Option 1 ID : 4410097916747

Option 2 ID : 4410097916746

Option 3 ID : 4410097916749

Option 4 ID : 4410097916748

Chosen Option : 3

Q.5 If the transformation from spherical coordinates (r, θ, ϕ) to rectangular (Cartesian) coordinates (x, y, z) is given by $x = r \sin \theta \cos \phi$, $y = r \sin \theta \sin \phi$, $z = r \cos \theta$ What does ϕ represent in spherical coordinates?

- Ans**
- ☒ 1. Angle in xy-plane measured from the positive x-axis
 - ☒ 2. Angle in xy-plane measured from the positive z-axis
 - ☒ 3. Inclination from y-axis
 - ☒ 4. Angle in xz-plane measured from the positive z-axis

Question ID : 4410091966022

Option 1 ID : 4410097744388

Option 2 ID : 4410097744389

Option 3 ID : 4410097744391

Option 4 ID : 4410097744390

Chosen Option : --

Q.6 Which of the following errors in triangulation is mainly due to the surveyor's actions or inactions?

- Ans**
- ☒ 1. Natural error
- ☒ 2. Random error
- ☒ 3. Instrumental error
- ☒ 4. Personal error

Question ID : 4410091994438

Option 1 ID : 4410097854749

Option 2 ID : 4410097854752

Option 3 ID : 4410097854751

Option 4 ID : 4410097854750

Chosen Option : 4

Q.7 In case of trigonometric levelling observations for heights and distances, if θ is small, the error in height determination is proportional to:

- Ans**
- ☒ 1. $\tan^2\theta$
- ☒ 2. $\sin \theta$
- ☒ 3. θ
- ☒ 4. $\cos \theta$

Question ID : 4410091965670

Option 1 ID : 4410097742974

Option 2 ID : 4410097742972

Option 3 ID : 4410097742975

Option 4 ID : 4410097742973

Chosen Option : 2

Q.8 To study the relationship between the existing ground surface and the levels of proposed construction of a highway, _____ is employed.

- Ans**
- ☒ 1. Cross sectioning
- ☒ 2. Profile levelling
- ☒ 3. Reciprocal levelling
- ☒ 4. Trigonometric levelling

Question ID : 44100911146

Option 1 ID : 44100944412

Option 2 ID : 44100944411

Option 3 ID : 44100944413

Option 4 ID : 44100944414

Chosen Option : 2

Q.9 Cadastral surveys are primarily conducted to support which of the following?

- Ans**
- ☒ 1. Monitoring atmospheric conditions for long-term weather forecasting
 - ☒ 2. Revenue mapping and settlement of legal land boundary disputes
 - ☒ 3. Determination of underground water table variations in regions
 - ☒ 4. Preparation of geological cross-sections for mining operations

Question ID : 4410091981220

Option 1 ID : 4410097803701

Option 2 ID : 4410097803702

Option 3 ID : 4410097803703

Option 4 ID : 4410097803700

Chosen Option : 2

Q.10 Determination of azimuth of a celestial body is based on:

- Ans**
- ☒ 1. Linear equations
 - ☒ 2. Plane triangle law
 - ☒ 3. Logarithmic tables only
 - ☒ 4. Spherical trigonometric relations

Question ID : 4410091965912

Option 1 ID : 4410097743942

Option 2 ID : 4410097743940

Option 3 ID : 4410097743943

Option 4 ID : 4410097743941

Chosen Option : 3

Q.11 Which GIS function is primarily used to determine the shortest travel route between two locations?

- Ans**
- ☒ 1. Symbolization of thematic layers
 - ☒ 2. Raster classification for land cover
 - ☒ 3. Network analysis for route selection
 - ☒ 4. Georeferencing of scanned maps

Question ID : 4410092062197

Option 1 ID : 4410098118589

Option 2 ID : 4410098118587

Option 3 ID : 4410098118586

Option 4 ID : 4410098118588

Chosen Option : 3

Q.12 Consider a soil sample with a dry density of 1.6 g/cm^3 and a saturated density of 2.0 g/cm^3 . If the soil's porosity is 0.35, what is the density of water assumed in these calculations?

Ans ☒ 1. 1.25 g/cm^3

☒ 2. 0.85 g/cm^3

☒ 3. 1.14 g/cm^3

☒ 4. 1.00 g/cm^3

Question ID : 4410091980823

Option 1 ID : 4410097802115

Option 2 ID : 4410097802116

Option 3 ID : 4410097802114

Option 4 ID : 4410097802113

Chosen Option : 1

Q.13 In which of the following situations is the establishment of a temporary benchmark most necessary during levelling operations?

Ans ☒ 1. When permanent bench marks exist throughout the entire survey route

☒ 2. During calibration of surveying instruments before observations begin

☒ 3. When the levelling survey extends beyond access to a permanent bench mark.

☒ 4. When separate elevation references are assigned to all staff readings

Question ID : 4410091983227

Option 1 ID : 4410097811591

Option 2 ID : 4410097811589

Option 3 ID : 4410097811590

Option 4 ID : 4410097811592

Chosen Option : --

Q.14 GIS-based cadastral maps are useful for:

Ans ☒ 1. Soil Exploration

☒ 2. Astronomical surveying

☒ 3. Hydrographic surveying

☒ 4. Fixing property lines

Question ID : 4410091023664

Option 1 ID : 4410094046267

Option 2 ID : 4410094046266

Option 3 ID : 4410094046268

Option 4 ID : 4410094046265

Chosen Option : 4

Q.15 In internal focusing telescopes used in stadia tacheometry, the additive constant is generally:

- Ans**
- ☒ 1. Exactly equal to focal length of objective lens
 - ☒ 2. Very small and treated as virtually anallactic in practice
 - ☒ 3. Completely eliminated by anallactic lens arrangement
 - ☒ 4. Large due to additional internal lens system effects

Question ID : 4410092000787

Option 1 ID : 4410097879570

Option 2 ID : 4410097879568

Option 3 ID : 4410097879571

Option 4 ID : 4410097879569

Chosen Option : --

Q.16 Which type of survey traditionally uses trilateration to establish high-precision control networks?

- Ans**
- ☒ 1. Topographic survey for land features
 - ☒ 2. Hydrographic survey for mapping water bodies
 - ☒ 3. Geodetic survey for accurate control networks
 - ☒ 4. Cadastral survey for property boundaries

Question ID : 4410092000130

Option 1 ID : 4410097877005

Option 2 ID : 4410097877008

Option 3 ID : 4410097877007

Option 4 ID : 4410097877006

Chosen Option : 3

Q.17 The Plastic Limit (w_p) of a fine-grained soil is defined as the minimum water content at which the soil remains in a plastic state. In the standard laboratory test, this state is identified when the thread of soil, rolled to a diameter of approximately 3 mm, exhibits which of the following failure criteria?

- Ans**
- ☒ 1. The thread can no longer be rolled and sticks firmly to the rolling surface.
 - ☒ 2. The soil sample loses its lustre and becomes dull after continuous rolling for five minutes.
 - ☒ 3. The thread disintegrates or crumbles immediately upon first contact with the rolling surface.
 - ☒ 4. The thread begins to crumble or just break along its length when rolled to a diameter of approximately 3 mm.

Question ID : 4410091476627

Option 1 ID : 4410095833802

Option 2 ID : 4410095833805

Option 3 ID : 4410095833804

Option 4 ID : 4410095833803

Chosen Option : 4

Q.18 In GIS, which data model represents continuous geographic phenomena such as elevation, temperature, and rainfall using a grid of cells or pixels?

- Ans**
- ☒ 1. Tabular data
- ☒ 2. Raster data
- ☒ 3. Vector data
- ☒ 4. Attribute data

Question ID : 4410092049859

Option 1 ID : 4410098070665

Option 2 ID : 4410098070667

Option 3 ID : 4410098070666

Option 4 ID : 4410098070668

Chosen Option : --

Q.19 In the stadia (tacheometric) method of surveying, the horizontal distance D between the instrument station and the staff station (for a horizontal line of sight) is given by:
(where S = staff intercept, k = multiplying constant, and C = additive constant)

- Ans**
- ☒ 1. $D=C-k$
- ☒ 2. $D=(k-C)/S$
- ☒ 3. $D=k/S$
- ☒ 4. $D=kS+C$

Question ID : 4410091324302

Option 1 ID : 4410095228695

Option 2 ID : 4410095228696

Option 3 ID : 4410095228694

Option 4 ID : 4410095228693

Chosen Option : 4

Q.20 When reading a measurement on a diagonal scale, the third unit (the most precise reading) is determined by ____.

- Ans**
- ☒ 1. The total length of the scale drawn.
- ☒ 2. The position where the measurement line intersects the appropriate diagonal line.
- ☒ 3. The distance measured using the compass or divider on the main scale.
- ☒ 4. The number of divisions marked on the main horizontal line.

Question ID : 4410091362368

Option 1 ID : 4410095381415

Option 2 ID : 4410095381414

Option 3 ID : 4410095381413

Option 4 ID : 4410095381412

Chosen Option : 4

Q.21 Which of the following represents the theoretical sum of interior included angles in a pentagonal closed theodolite traverse?

- Ans** ☒ 1. 540°
- ☒ 2. 450°
- ☒ 3. 630°
- ☒ 4. 720°

Question ID : 4410091992315

Option 1 ID : 4410097846894

Option 2 ID : 4410097846893

Option 3 ID : 4410097846895

Option 4 ID : 4410097846896

Chosen Option : 1

Q.22 Identify the correct definition of a contour interval.

- Ans** ☒ 1. The vertical distance between any two consecutive contours
- ☒ 2. The horizontal distance between any two consecutive contours divided by the horizontal equivalent
- ☒ 3. The horizontal distance between any two consecutive contours
- ☒ 4. The vertical distance between any two consecutive contours divided by the horizontal equivalent

Question ID : 441009227140

Option 1 ID : 441009889340

Option 2 ID : 441009889343

Option 3 ID : 441009889341

Option 4 ID : 441009889342

Chosen Option : 1

Q.23 A line has a magnetic bearing of 210° and the magnetic declination is 6° West. The true bearing of the line measured clockwise from the true meridian will be:

- Ans** ☒ 1. 204°
- ☒ 2. 198°
- ☒ 3. 216°
- ☒ 4. 210°

Question ID : 4410092003697

Option 1 ID : 4410097890611

Option 2 ID : 4410097890608

Option 3 ID : 4410097890610

Option 4 ID : 4410097890609

Chosen Option : 1

Q.24 Which of the following cartographic techniques is most commonly used to represent population density variations across administrative regions?

Ans ☒ 1. Census mapping

☒ 2. Choropleth mapping

☒ 3. Isopleth mapping

☒ 4. Dot mapping

Question ID : 4410091986541

Option 1 ID : 4410097824275

Option 2 ID : 4410097824274

Option 3 ID : 4410097824273

Option 4 ID : 4410097824276

Chosen Option : 1

Q.25 In triangulation adjustment, which method is commonly used to distribute errors among measured angles?

Ans ☒ 1. Least squares method for balancing angles

☒ 2. Mean value method for angle adjustment

☒ 3. Bowditch method for error distribution

☒ 4. Compass rule for angle correction

Question ID : 4410091994468

Option 1 ID : 4410097854865

Option 2 ID : 4410097854866

Option 3 ID : 4410097854868

Option 4 ID : 4410097854867

Chosen Option : 4

Q.26 The angle of depression is measured when the object is:

Ans ☒ 1. behind the observer

☒ 2. below the instrument

☒ 3. at observer's eye level

☒ 4. above the instrument

Question ID : 4410091078530

Option 1 ID : 4410094251460

Option 2 ID : 4410094251459

Option 3 ID : 4410094251457

Option 4 ID : 4410094251458

Chosen Option : --

Q.27 A soil has a degree of saturation of 60% and a void ratio of 0.5. If the volume of solids is 200 cm³, what is the volume of water present?

- Ans**
- ☒ 1. 120 cm³
- ☒ 2. 30 cm³
- ☒ 3. 60 cm³
- ☒ 4. 100 cm³

Question ID : 4410091980811

Option 1 ID : 4410097802065

Option 2 ID : 4410097802068

Option 3 ID : 4410097802066

Option 4 ID : 4410097802067

Chosen Option : --

Q.28 A map is drawn with a scale of 1 cm = 200 m. The RF of the scale is:

- Ans**
- ☒ 1. 1/20000
- ☒ 2. 1/2000
- ☒ 3. 1/200
- ☒ 4. 1/200000

Question ID : 4410091324412

Option 1 ID : 4410095229143

Option 2 ID : 4410095229142

Option 3 ID : 4410095229141

Option 4 ID : 4410095229144

Chosen Option : 1

Q.29 Which method is faster for contouring large areas?

- Ans**
- ☒ 1. Grid method (indirect)
- ☒ 2. Cross-section method
- ☒ 3. Radial line method (direct)
- ☒ 4. Tacheometric method

Question ID : 4410091199043

Option 1 ID : 4410094730026

Option 2 ID : 4410094730024

Option 3 ID : 4410094730025

Option 4 ID : 4410094730027

Chosen Option : 1

Q.30 In a closed traverse, if the algebraic sum of latitudes is negative and the algebraic sum of departures is positive, the whole circle bearing of the error of closure lies in which quadrant?

- Ans**
- ☒ 1. Third quadrant
- ☒ 2. Second quadrant
- ☒ 3. Fourth quadrant
- ☒ 4. First quadrant

Question ID : 4410091363229

Option 1 ID : 4410095384853

Option 2 ID : 4410095384852

Option 3 ID : 4410095384854

Option 4 ID : 4410095384851

Chosen Option : 2

Q.31 What is the unit of measurement used for area of spherical triangle, when angles are in radians and radius in meters:

- Ans**
- ☒ 1. rad²
- ☒ 2. unitless
- ☒ 3. m²
- ☒ 4. m

Question ID : 4410091965825

Option 1 ID : 4410097743602

Option 2 ID : 4410097743603

Option 3 ID : 4410097743601

Option 4 ID : 4410097743600

Chosen Option : 1

Q.32 Which remote sensing technique uses multiple narrow spectral bands to identify materials with subtle spectral differences?

- Ans**
- ☒ 1. Multispectral imaging
- ☒ 2. Thermal imaging
- ☒ 3. Radar imaging
- ☒ 4. Hyperspectral imaging

Question ID : 441009173845

Option 1 ID : 441009687781

Option 2 ID : 441009687783

Option 3 ID : 441009687784

Option 4 ID : 441009687782

Chosen Option : --

Q.33 Which of the following best describes how instrument calibration affects the overall precision in trilateration surveys?

- Ans** ☒ 1. Consistent calibration reduces measurement errors in all distance observations
- ☒ 2. Occasional calibration only corrects random errors in a few readings
- ☒ 3. Ignoring minor misalignments has negligible effect on overall precision
- ☒ 4. Calibration after survey completion ensures highest accuracy

Question ID : 4410092000197

Option 1 ID : 4410097877264

Option 2 ID : 4410097877263

Option 3 ID : 4410097877262

Option 4 ID : 4410097877261

Chosen Option : 1

Q.34 A point has spherical coordinates ($r = 18$, $\theta = 60^\circ$, $\phi = 90^\circ$) with respect to a fixed reference system consisting of a reference origin. Find its rectangular coordinate y .

- Ans** ☒ 1. 15.59
- ☒ 2. 12.73
- ☒ 3. 18.59
- ☒ 4. 16.73

Question ID : 4410091966031

Option 1 ID : 4410097744426

Option 2 ID : 4410097744425

Option 3 ID : 4410097744424

Option 4 ID : 4410097744427

Chosen Option : --

Q.35 Which of the following AutoCAD commands is primarily used for filling enclosed regions with patterns?

- Ans** ☒ 1. Explode
- ☒ 2. Stretch
- ☒ 3. Hatch
- ☒ 4. Align

Question ID : 4410092010637

Option 1 ID : 4410097917587

Option 2 ID : 4410097917588

Option 3 ID : 4410097917586

Option 4 ID : 4410097917589

Chosen Option : --

Q.36 When calculating the reduced level of a point using the rise and fall method, what should be done after finding the rise or fall between points?

- Ans** ☒ 1. Add the rise to or subtract the fall from the previous reduced level.
- ☐ 2. Average the previous reduced level and the current staff reading.
- ☐ 3. Add the rise to or subtract the fall from the height of instrument.
- ☐ 4. Add all previous rises and falls to the benchmark value at once.

Question ID : 4410091977810

Option 1 ID : 4410097790125

Option 2 ID : 4410097790124

Option 3 ID : 4410097790127

Option 4 ID : 4410097790126

Chosen Option : 1

Q.37 Which of the following foundation types is generally adopted when an edge column is located near a property boundary and an isolated footing would become eccentrically loaded?

- Ans** ☐ 1. Pile foundation
- ☐ 2. Caisson foundation
- ☒ 3. Strap footing
- ☐ 4. Spread footing

Question ID : 4410091986220

Option 1 ID : 4410097823048

Option 2 ID : 4410097823047

Option 3 ID : 4410097823046

Option 4 ID : 4410097823045

Chosen Option : 1

Q.38 The primary function of image overlap in drone photogrammetry is to enable which of the following?

- Ans** ☒ 1. Identification of corresponding points between adjacent photographs accurately
- ☐ 2. Elimination of georeferencing requirements during image processing stages
- ☐ 3. Automatic balancing of brightness variations between camera sensors
- ☐ 4. Reduction of spatial resolution within orthomosaic mapping products

Question ID : 4410092010406

Option 1 ID : 4410097916768

Option 2 ID : 4410097916769

Option 3 ID : 4410097916766

Option 4 ID : 4410097916767

Chosen Option : --

Q.39 Which of the following relationships between the fundamental axes of the theodolite ensures that the vertical angles will be free from index error?

- Ans**
- ☒ 1. The axis of plate level must lie in a plane perpendicular to the vertical axis.
 - ☒ 2. The axis of the altitude level must be parallel to the line of collimation.
 - ☒ 3. The horizontal axis must be perpendicular to the vertical axis.
 - ☒ 4. The vertical circle must read zero when the line of collimation is horizontal.

Question ID : **44100975852**

Option 1 ID : **441009301677**

Option 2 ID : **441009301674**

Option 3 ID : **441009301675**

Option 4 ID : **441009301676**

Chosen Option : **2**

Q.40 In which method of contouring are guide points established and contours interpolated between them?

- Ans**
- ☒ 1. Direct method
 - ☒ 2. Plane table method
 - ☒ 3. Indirect method
 - ☒ 4. Tacheometric method

Question ID : **4410091007787**

Option 1 ID : **4410093982787**

Option 2 ID : **4410093982788**

Option 3 ID : **4410093982786**

Option 4 ID : **4410093982785**

Chosen Option : **4**

Q.41 Why is remote sensing commonly integrated with GIS?

- Ans**
- ☒ 1. To replace coordinate systems entirely
 - ☒ 2. To reduce monitor display resolution
 - ☒ 3. To update spatial databases efficiently
 - ☒ 4. To avoid collecting spatial data in the field

Question ID : **4410092062214**

Option 1 ID : **4410098118656**

Option 2 ID : **4410098118655**

Option 3 ID : **4410098118654**

Option 4 ID : **4410098118657**

Chosen Option : **--**

Q.42 Consider the following statements about the principles of surveying and identify the CORRECT statement/statements.

Statement I : Working from whole to part helps to prevent the accumulation of errors.
 Statement II : Working from part to whole helps in the speedy completion of work without errors.
 Statement III : While surveying a larger area, the whole area has to be divided into small parts and the error occurred in the small parts are adjusted independently.

- Ans**
- ☒ 1. Statements I and III only
- ☒ 2. Statements III only
- ☒ 3. Statements II and III only
- ☒ 4. Statement I only

Question ID : 4410091399039

Option 1 ID : 4410095525881

Option 2 ID : 4410095525883

Option 3 ID : 4410095525882

Option 4 ID : 4410095525884

Chosen Option : 1

Q.43 A survey line has a fore bearing of 170° ; calculate the back bearing.

- Ans**
- ☒ 1. 340°
- ☒ 2. 350°
- ☒ 3. 190°
- ☒ 4. 10°

Question ID : 4410091007693

Option 1 ID : 4410093982422

Option 2 ID : 4410093982421

Option 3 ID : 4410093982420

Option 4 ID : 4410093982419

Chosen Option : 2

Q.44 In the trapezoidal formula for volume computation, only the areas at:

- Ans**
- ☒ 1. traverse stations are averaged for final volume estimation
- ☒ 2. benchmark stations are measured for determining earthwork volumes
- ☒ 3. intermediate cross sections are exclusively used during calculations
- ☒ 4. consecutive end cross sections are directly considered together

Question ID : 4410091987770

Option 1 ID : 4410097828861

Option 2 ID : 4410097828863

Option 3 ID : 4410097828862

Option 4 ID : 4410097828864

Chosen Option : --

Q.45 The accuracy of plane table surveying mainly depends upon:

- Ans**
- ☒ 1. Appropriate selection of contour intervals
 - ☒ 2. Full adjustment of local attraction
 - ☒ 3. Accurate measurement of benchmark elevations
 - ☒ 4. Proper orientation and accurate sighting

Question ID : 4410092016318

Option 1 ID : 4410097939686

Option 2 ID : 4410097939684

Option 3 ID : 4410097939683

Option 4 ID : 4410097939685

Chosen Option : 4

Q.46 What is the primary property preserved by the Mercator projection?

- Ans**
- ☒ 1. Local angles and shapes on the map
 - ☒ 2. Accurate distances between all locations
 - ☒ 3. Relative area near polar regions only
 - ☒ 4. True surface area across the entire map

Question ID : 4410091989328

Option 1 ID : 4410097835091

Option 2 ID : 4410097835090

Option 3 ID : 4410097835092

Option 4 ID : 4410097835089

Chosen Option : --

Q.47 The multiplying constant of a tacheometer is _____.

- Ans**
- ☒ 1. the ratio of stadia interval to the focal length of the objective
 - ☒ 2. the ratio of the stadia interval to the focal length of the eyepiece
 - ☒ 3. the ratio of focal length of the objective to stadia interval
 - ☒ 4. the ratio of focal length of the eyepiece to the stadia interval

Question ID : 44100975846

Option 1 ID : 441009301656

Option 2 ID : 441009301657

Option 3 ID : 441009301654

Option 4 ID : 441009301655

Chosen Option : 3

Q.48 Which correction is applied when the tension in the tape during measurement is more than the standard tension?

- Ans**
- ☒ 1. Slope correction
 - ☒ 2. Sag correction
 - ☒ 3. Temperature correction
 - ☒ 4. Pull correction

Question ID : 4410091999959

Option 1 ID : 4410097876347

Option 2 ID : 4410097876345

Option 3 ID : 4410097876348

Option 4 ID : 4410097876346

Chosen Option : 4

Q.49 In reciprocal ranging, the initial intermediate points are selected such that:

- Ans**
- ☒ 1. Both end stations remain visible from each selected intermediate position
 - ☒ 2. Both intermediate points are fixed permanently before alignment begins
 - ☒ 3. The selected points are located exactly midway between the end stations
 - ☒ 4. The selected points lie at equal elevation relative to both end stations

Question ID : 4410091993885

Option 1 ID : 4410097853047

Option 2 ID : 4410097853048

Option 3 ID : 4410097853045

Option 4 ID : 4410097853046

Chosen Option : 2

Q.50 Select the statements that are true about the tacheometric method of curve setting.

Statement I: Chaining is completely dispensed with.
Statement II: This method is more accurate than Rankine's method.
Statement III: This is an angular method of curve setting.

- Ans**
- ☒ 1. Statement II only
 - ☒ 2. Statements II and III only
 - ☒ 3. Statement III only
 - ☒ 4. Statements I and III only

Question ID : 441009128562

Option 1 ID : 441009510865

Option 2 ID : 441009510864

Option 3 ID : 441009510866

Option 4 ID : 441009510863

Chosen Option : 2

Q.51 Identify the working principle on which an electronic distance meter operates.

Ans ☒ 1. Modulation of electromagnetic waves

☐ 2. Reflection of sound waves

☐ 3. Mechanical chain stretching

☐ 4. Optical parallax

Question ID : 4410091215486

Option 1 ID : 4410094795327

Option 2 ID : 4410094795324

Option 3 ID : 4410094795325

Option 4 ID : 4410094795326

Chosen Option : --

Q.52 For large-scale landscaping in urban park development, what advantage does a contour map provide to the design team?

Ans ☐ 1. Selecting appropriate plant species for different zones

☒ 2. Visualizing existing terrain to plan earthworks efficiently

☐ 3. Providing legal property boundary information

☐ 4. Detailing locations of underground utility lines

Question ID : 4410091972391

Option 1 ID : 4410097768608

Option 2 ID : 4410097768610

Option 3 ID : 4410097768611

Option 4 ID : 4410097768609

Chosen Option : 4

Q.53 Which feature distinguishes Electronic Distance Measurement (EDM) from tape-based distance measurement?

Ans ☐ 1. Distance is obtained using chain links.

☐ 2. Distance is obtained using graduated markings.

☐ 3. Distance is obtained using wheel revolutions.

☒ 4. Distance is obtained using electromagnetic signals.

Question ID : 4410092062204

Option 1 ID : 4410098118617

Option 2 ID : 4410098118615

Option 3 ID : 4410098118616

Option 4 ID : 4410098118614

Chosen Option : 4

Q.54 Which of the following methods is used to determine the positions of points on the Earth's surface using satellites in modern geodetic surveying?

Ans ☒ 1. Global Positioning System

☐ 2. Compass surveying

☐ 3. Plane table surveying

☐ 4. Chain surveying

Question ID : 4410091965767

Option 1 ID : 4410097743371

Option 2 ID : 4410097743369

Option 3 ID : 4410097743370

Option 4 ID : 4410097743368

Chosen Option : 4

Q.55 Which coordinate adjustment is applied in the UTM system to prevent negative easting values within a zone?

Ans ☐ 1. True Easting

☒ 2. False Easting

☐ 3. False Northing

☐ 4. True Latitude

Question ID : 4410091989338

Option 1 ID : 4410097835131

Option 2 ID : 4410097835130

Option 3 ID : 4410097835129

Option 4 ID : 4410097835132

Chosen Option : 1

Q.56 Which of the following formulae can be used for Earthwork volume in calculation?

Ans ☐ 1. Compass rule formula

☐ 2. Tangent rule formula

☐ 3. Sine rule formula

☒ 4. Trapezoidal formula

Question ID : 441009968799

Option 1 ID : 4410093828349

Option 2 ID : 4410093828352

Option 3 ID : 4410093828351

Option 4 ID : 4410093828350

Chosen Option : 4

Q.57 In a triangulation system, which method is most appropriate for detecting systematic errors in angle measurements?

- Ans**
- ☒ 1. Repeated observations under varying conditions
 - ☐ 2. Using the same instrument for all measurements
 - ☐ 3. Checking only the baseline for discrepancies
 - ☐ 4. Single measurement by an experienced observer

Question ID : 4410091994484

Option 1 ID : 4410097854931

Option 2 ID : 4410097854932

Option 3 ID : 4410097854930

Option 4 ID : 4410097854929

Chosen Option : --

Q.58 Which instrument is most commonly preferred for precise boundary measurements in modern cadastral surveys?

- Ans**
- ☐ 1. Planimeter intended for plotted area calculations only
 - ☒ 2. Total station capable of distance and angle observations
 - ☐ 3. Cross staff employed for setting perpendicular offset lines
 - ☐ 4. Clinometer intended for slope inclination measurements exclusively

Question ID : 4410091982087

Option 1 ID : 4410097807167

Option 2 ID : 4410097807169

Option 3 ID : 4410097807166

Option 4 ID : 4410097807168

Chosen Option : 1

Q.59 Which principle of cartography ensures that north is consistently represented at the top of most maps?

- Ans**
- ☐ 1. Legend
 - ☒ 2. Orientation
 - ☐ 3. Generalization
 - ☐ 4. Projection

Question ID : 4410091986507

Option 1 ID : 4410097824145

Option 2 ID : 4410097824147

Option 3 ID : 4410097824148

Option 4 ID : 4410097824146

Chosen Option : --

Q.60 In theodolite surveying, what causes vertical circle index error while measuring vertical angles?

Ans ☒ 1. Magnetic interference

☒ 2. Temperature changes

☒ 3. Misaligned vertical circle zero

☒ 4. Poor lighting

Question ID : 4410091199220

Option 1 ID : 4410094730724

Option 2 ID : 4410094730725

Option 3 ID : 4410094730726

Option 4 ID : 4410094730727

Chosen Option : 3

Q.61 In compass surveying, why is magnetic declination correction necessary?

Ans ☒ 1. To adjust compass bearings to the geographically true north direction

☒ 2. To measure inclination of the magnetic needle

☒ 3. To correct calculation mistakes by the surveyor

☒ 4. To compensate for compass needle errors caused by equipment

Question ID : 4410091363115

Option 1 ID : 4410095384396

Option 2 ID : 4410095384398

Option 3 ID : 4410095384397

Option 4 ID : 4410095384395

Chosen Option : 1

Q.62 Determine the spherical coordinates (r, θ, ϕ) corresponding to the rectangular coordinates $(x, y, z) = (0, 0, 5)$.

where:

r = radial distance

θ = polar angle (measured from positive z -axis)

ϕ = azimuth angle in the xy -plane.

Ans ☒ 1. $r=5, \theta=0^\circ, \phi=0^\circ$

☒ 2. $r=5, \theta=\pi, \phi=0^\circ$

☒ 3. $r=0, \theta=0^\circ, \phi=0^\circ$

☒ 4. $r=5, \theta=\pi/2, \phi=0^\circ$

Question ID : 4410091966046

Option 1 ID : 4410097744485

Option 2 ID : 4410097744486

Option 3 ID : 4410097744487

Option 4 ID : 4410097744484

Chosen Option : --

Q.63 The main advantage of using an Electronic Digital Theodolite with EDM attachment in surveying is that:

- Ans** ☒ 1. It eliminates the need for separate angle and distance instruments
- ☐ 2. It is used only for levelling operations in construction sites
- ☐ 3. It reduces the precision of angular measurements in the field
- ☐ 4. It increases the physical length of the base line for measurement

Question ID : 4410091324337

Option 1 ID : 4410095228825

Option 2 ID : 4410095228828

Option 3 ID : 4410095228827

Option 4 ID : 4410095228826

Chosen Option : 1

Q.64 Which GIS output technique is mainly used to represent different land-use categories using distinct colours?

- Ans** ☐ 1. Coordinate list with point values
- ☒ 2. Thematic map with colour coding
- ☐ 3. Metadata file with descriptions
- ☐ 4. Attribute table with text records

Question ID : 4410092062194

Option 1 ID : 4410098118577

Option 2 ID : 4410098118574

Option 3 ID : 4410098118576

Option 4 ID : 4410098118575

Chosen Option : --

Q.65 The prismoidal formula generally provides more accurate volume computation because it:

- Ans** ☐ 1. Uses only end area measurements for volume estimation
- ☐ 2. Assumes uniform cross-sectional area throughout entire length
- ☐ 3. Neglects influence of mid-sectional area during calculations completely
- ☒ 4. Considers variation of area along intermediate cross sections

Question ID : 4410091985773

Option 1 ID : 4410097821308

Option 2 ID : 4410097821306

Option 3 ID : 4410097821307

Option 4 ID : 4410097821305

Chosen Option : 3

Q.66 Which of the following methods of contouring is also termed as 'coordinate method of locating contours'?

Ans ☒ 1. Method of squares

☒ 2. Plane table method

☒ 3. Method of cross section

☒ 4. Tacheometric method

Question ID : 4410091396824

Option 1 ID : 4410095516960

Option 2 ID : 4410095516962

Option 3 ID : 4410095516961

Option 4 ID : 4410095516963

Chosen Option : 1

Q.67 In the standard chaining procedure on level ground, the line to be measured should be:

Ans ☒ 1. Marked only at the end stations because intermediate marking creates cumulative errors

☒ 2. Divided into equal segments based exclusively on the nominal chain length available

☒ 3. Marked at end points and intermediate points along the same alignment direction

☒ 4. Established using angular measurements before beginning direct linear measurement work

Question ID : 4410091993900

Option 1 ID : 4410097853082

Option 2 ID : 4410097853081

Option 3 ID : 4410097853083

Option 4 ID : 4410097853084

Chosen Option : 3

Q.68 How are spatial and attribute data connected in a GIS database?

Ans ☒ 1. By using feature names directly

☒ 2. By using a unique ID code

☒ 3. By using coordinate values only

☒ 4. By using grid cell values

Question ID : 4410092049862

Option 1 ID : 4410098070680

Option 2 ID : 4410098070678

Option 3 ID : 4410098070677

Option 4 ID : 4410098070679

Chosen Option : --

Q.69 Which of the following is the primary cause of the linear closing error in a compass traverse?

- Ans**
- ☒ 1. Errors while plotting the traverse on the map
 - ☒ 2. Local attraction affecting the compass needle
 - ☒ 3. Incorrect adjustment for magnetic declination
 - ☒ 4. Errors in measured distances and observed bearings

Question ID : 4410091363109

Option 1 ID : 4410095384374

Option 2 ID : 4410095384372

Option 3 ID : 4410095384373

Option 4 ID : 4410095384371

Chosen Option : 2

Q.70 What do closely spaced contours indicate?

- Ans**
- ☒ 1. Steep slope
 - ☒ 2. Flat ground
 - ☒ 3. Vegetation density
 - ☒ 4. Water body

Question ID : 4410091199030

Option 1 ID : 4410094729973

Option 2 ID : 4410094729972

Option 3 ID : 4410094729975

Option 4 ID : 4410094729974

Chosen Option : 2

Q.71 How does DGPS improve the accuracy of GPS measurements?

- Ans**
- ☒ 1. By increasing the number of satellites in orbit
 - ☒ 2. By using a known reference station to correct errors
 - ☒ 3. By changing the frequency of GPS signals
 - ☒ 4. By relocating the receiver to a higher altitude

Question ID : 4410092047767

Option 1 ID : 4410098062747

Option 2 ID : 4410098062748

Option 3 ID : 4410098062746

Option 4 ID : 4410098062745

Chosen Option : --

Q.72 In which non-civil engineering application is trilateration most commonly used?

- Ans**
- ☒ 1. Testing the quality of drinking water
 - ☒ 2. Designing flexible road pavements
 - ☒ 3. Global Positioning System (GPS) navigation
 - ☒ 4. Forecasting daily weather patterns

Question ID : 4410092000144

Option 1 ID : 4410097877058

Option 2 ID : 4410097877060

Option 3 ID : 4410097877059

Option 4 ID : 4410097877057

Chosen Option : 3

Q.73 Select the data that can be directly obtained from a Total Station during field surveying.

- Ans**
- ☒ 1. Wind speed and direction
 - ☒ 2. Horizontal distance and coordinates
 - ☒ 3. Soil bearing capacity
 - ☒ 4. Groundwater table level

Question ID : 4410091192659

Option 1 ID : 4410094704566

Option 2 ID : 4410094704565

Option 3 ID : 4410094704563

Option 4 ID : 4410094704564

Chosen Option : 2

Q.74 A satellite station is typically established at which relative position to the main triangulation station in the field?

- Ans**
- ☒ 1. Far from the main triangulation station in the network
 - ☒ 2. At a random location within the survey area
 - ☒ 3. Exactly at the main triangulation station point
 - ☒ 4. Near the main station but not coincident with it

Question ID : 4410092000021

Option 1 ID : 4410097876595

Option 2 ID : 4410097876596

Option 3 ID : 4410097876594

Option 4 ID : 4410097876593

Chosen Option : 3

Q.75 In cadastral surveying, a survey-in-situ primarily refers to:

- Ans**
- ☒ 1. Survey completed using aerial photographs without fieldwork
 - ☒ 2. Survey prepared entirely from previously available maps
 - ☒ 3. Survey adjusted solely through office computation procedures
 - ☒ 4. Survey conducted directly on the actual ground location

Question ID : 4410091982084

Option 1 ID : 4410097807156

Option 2 ID : 4410097807157

Option 3 ID : 4410097807155

Option 4 ID : 4410097807154

Chosen Option : 4

Q.76 How can photogrammetry assist in landslide risk assessment?

- Ans**
- ☒ 1. Recording rainfall intensity in real time
 - ☒ 2. Generating high-resolution elevation models
 - ☒ 3. Creating detailed geological composition maps
 - ☒ 4. Measuring seismic wave propagation through rock layers

Question ID : 4410091994191

Option 1 ID : 4410097853823

Option 2 ID : 4410097853822

Option 3 ID : 4410097853821

Option 4 ID : 4410097853824

Chosen Option : --

Q.77 Identify the CORRECT equation to find the height of the instrument of a setup during a levelling operation.

- Ans**
- ☒ 1. Height of the instrument = elevation of Bench Mark + Back sight
 - ☒ 2. Height of the instrument = elevation of Bench Mark + Intermediate sight
 - ☒ 3. Height of the instrument = elevation of Bench Mark + Fore sight
 - ☒ 4. Height of the instrument = elevation of Bench Mark + Back sight + Fore sight

Question ID : 4410091425230

Option 1 ID : 4410095629579

Option 2 ID : 4410095629581

Option 3 ID : 4410095629580

Option 4 ID : 4410095629582

Chosen Option : 1

Q.78 In compass surveying, a meridian is primarily used as:

- Ans**
- ☒ 1. A horizontal distance used for calculating the length of a traverse line
 - ☒ 2. An arbitrary offset line established for locating nearby topographic details
 - ☒ 3. A reference direction from which the bearing of a survey line is measured
 - ☒ 4. A vertical plane used for determining reduced levels between survey stations

Question ID : 4410092003836

Option 1 ID : 4410097891116

Option 2 ID : 4410097891119

Option 3 ID : 4410097891117

Option 4 ID : 4410097891118

Chosen Option : 1

Q.79 Which of the following statements regarding traverse computation is correct?

- Ans**
- ☒ 1. Latitude and departure are independent of bearing
 - ☒ 2. Bowditch Rule ignores the line length corrections
 - ☒ 3. Transit rule is based solely on the included angles
 - ☒ 4. Balanced traverse coordinates satisfy closure conditions

Question ID : 4410091992363

Option 1 ID : 4410097847086

Option 2 ID : 4410097847085

Option 3 ID : 4410097847088

Option 4 ID : 4410097847087

Chosen Option : 2

Q.80 What is the effect of multipath errors in GPS measurements?

- Ans**
- ☒ 1. Receiver clocks run slower than GPS clocks
 - ☒ 2. Signals reflect off surfaces causing measurement errors
 - ☒ 3. Satellites drift away from set orbits in GPS
 - ☒ 4. Atmospheric delays slow down GPS signal speed

Question ID : 4410092047775

Option 1 ID : 4410098062779

Option 2 ID : 4410098062777

Option 3 ID : 4410098062778

Option 4 ID : 4410098062780

Chosen Option : --

Q.81 Which of the following records is most important for documenting measurements observed during detailed cadastral surveys?

- Ans**
- ☒ 1. Log book containing machinery maintenance schedules prepared
 - ☒ 2. Field book containing systematic survey observations recorded
 - ☒ 3. Register book containing departmental correspondence entries prepared
 - ☒ 4. Ledger book containing contractor payment details maintained

Question ID : 4410091981230

Option 1 ID : 4410097803741

Option 2 ID : 4410097803743

Option 3 ID : 4410097803742

Option 4 ID : 4410097803740

Chosen Option : 2

Q.82 Which of the following methods is commonly used to establish a point on inaccessible terrain?

- Ans**
- ☒ 1. Level loop method
 - ☒ 2. Radiation method
 - ☒ 3. Resection method
 - ☒ 4. Intersection method

Question ID : 4410091558589

Option 1 ID : 4410096156748

Option 2 ID : 4410096156745

Option 3 ID : 4410096156747

Option 4 ID : 4410096156746

Chosen Option : --

Q.83 In the two-theodolite method of setting out a simple circular curve, one theodolite is stationed at the point of commencement of the curve, while the other is stationed at the:

- Ans**
- ☒ 1. Midpoint of the long chord
 - ☒ 2. Point of intersection of tangents
 - ☒ 3. Center of the circular curve
 - ☒ 4. Point of termination of the curve

Question ID : 4410092000360

Option 1 ID : 4410097877891

Option 2 ID : 4410097877890

Option 3 ID : 4410097877892

Option 4 ID : 4410097877889

Chosen Option : 1

Q.84 Which AutoCAD command is specifically used to remove unused drawing components from a drawing file?

- Ans**
- ☒ 1. Recover
 - ☒ 2. Purge
 - ☒ 3. Audit
 - ☒ 4. Regen

Question ID : 4410092010641

Option 1 ID : 4410097917604

Option 2 ID : 4410097917603

Option 3 ID : 4410097917602

Option 4 ID : 4410097917605

Chosen Option : --

Q.85 The liquid limit of a soil is defined as the water content at which the soil transitions from a plastic state to a liquid state. According to Casagrande's liquid limit test, what is the criteria used to determine this liquid limit?

- Ans**
- ☒ 1. The moisture content at which the groove closes 12.7 mm after 25 blows of the cup
 - ☒ 2. The moisture content at which the soil flows freely without any groove
 - ☒ 3. The moisture content at which the groove closes after 50 blows of the cup
 - ☒ 4. The moisture content at which the soil starts to crack upon drying

Question ID : 4410091262834

Option 1 ID : 4410094984272

Option 2 ID : 4410094984273

Option 3 ID : 4410094984271

Option 4 ID : 4410094984274

Chosen Option : 1

Q.86 The principle of plane table surveying allows field observations and plotting to be:

- Ans**
- ☒ 1. Restricted to underground control point establishment methods exclusively
 - ☒ 2. Carried out independently from map preparation procedures entirely
 - ☒ 3. Corrected later using latitude and departure computations only
 - ☒ 4. Performed simultaneously during survey operations in the field

Question ID : 4410092016317

Option 1 ID : 4410097939679

Option 2 ID : 4410097939682

Option 3 ID : 4410097939680

Option 4 ID : 4410097939681

Chosen Option : 4

Q.87 Which of the following devices is a common example of a GPS receiver?

- Ans** ☒ 1. Smartphone
- ☐ 2. Television set
- ☐ 3. Desktop printer
- ☐ 4. Standard wristwatch

Question ID : 4410092065461

Option 1 ID : 4410098131427

Option 2 ID : 4410098131428

Option 3 ID : 4410098131429

Option 4 ID : 4410098131426

Chosen Option : --

Q.88 Which of the following statements is TRUE about the principles of surveying?

- Ans** ☐ 1. Establishing a point by at least two dependent measurements
- ☒ 2. Establishing a point by at least two independent measurements
- ☐ 3. Establishing a point by at least three dependent measurements
- ☐ 4. Establishing a point by at least three independent measurements

Question ID : 4410091399028

Option 1 ID : 4410095525839

Option 2 ID : 4410095525840

Option 3 ID : 4410095525838

Option 4 ID : 4410095525837

Chosen Option : 1

Q.89 During a levelling operation, which staff readings are primarily used to detect possible errors due to incorrect instrument setup or accidental movement of the level instrument?

- Ans** ☐ 1. Intermediate sight readings only
- ☒ 2. Backsight and foresight readings
- ☐ 3. Foresight readings only
- ☐ 4. Inverted staff readings

Question ID : 4410091978151

Option 1 ID : 4410097791503

Option 2 ID : 4410097791505

Option 3 ID : 4410097791504

Option 4 ID : 4410097791506

Chosen Option : 2

Q.90 Photogrammetry is mainly used in disaster management to:

- Ans**
- ☒ 1. Forecast earthquake timing
 - ☒ 2. Predict rainfall in disaster zones
 - ☒ 3. Create detailed maps of affected regions
 - ☒ 4. Control water flow during floods

Question ID : 4410091994168

Option 1 ID : 4410097853732

Option 2 ID : 4410097853730

Option 3 ID : 4410097853731

Option 4 ID : 4410097853729

Chosen Option : 3

Q.91 Which feature is essential for a suitable base line in triangulation surveys?

- Ans**
- ☒ 1. It should be as long and straight as possible
 - ☒ 2. It should be as short as possible for easy measurement
 - ☒ 3. It should be located near a forested area
 - ☒ 4. It should follow the contour of the ground

Question ID : 4410091999923

Option 1 ID : 4410097876202

Option 2 ID : 4410097876201

Option 3 ID : 4410097876203

Option 4 ID : 4410097876204

Chosen Option : --

Q.92 In fixed hair stadia tacheometry, the additive constant is considered practically constant because the variation in the distance between the objective lens and instrument axis is:

- Ans**
- ☒ 1. directly proportional to intercept
 - ☒ 2. always equal to the focal length
 - ☒ 3. dependent upon vertical angle
 - ☒ 4. extremely small during focusing

Question ID : 4410092000521

Option 1 ID : 4410097878517

Option 2 ID : 4410097878518

Option 3 ID : 4410097878519

Option 4 ID : 4410097878516

Chosen Option : 1

Q.93 The process of extracting three-dimensional information from overlapping drone images is known as:

- Ans**
- ☒ 1. Photogrammetric stereo triangulation using corresponding image points
 - ☐ 2. Hydrographic sounding using underwater acoustic measurement systems
 - ☐ 3. Magnetic traversing using directional field intensity observations
 - ☐ 4. Electromagnetic ranging through reflected terrestrial wave propagation

Question ID : 4410092010400

Option 1 ID : 4410097916745

Option 2 ID : 4410097916742

Option 3 ID : 4410097916743

Option 4 ID : 4410097916744

Chosen Option : --

Q.94 A simple circular curve is commonly designated either by its radius or by its:

- Ans**
- ☐ 1. Length of long chord
 - ☒ 2. Degree of curvature specified
 - ☐ 3. Tangent length determined
 - ☐ 4. Central angle subtended

Question ID : 4410092000387

Option 1 ID : 4410097877996

Option 2 ID : 4410097877993

Option 3 ID : 4410097877994

Option 4 ID : 4410097877995

Chosen Option : --

Q.95 Why is it important to use the same datum consistently throughout a levelling project?

- Ans**
- ☒ 1. To ensure all reduced levels remain comparable across the survey area
 - ☐ 2. To simplify all staff reading calculations during field observations
 - ☐ 3. To minimize the number of instrument setups required in the survey
 - ☐ 4. To reduce the quantity of staff readings taken at each station

Question ID : 4410091978161

Option 1 ID : 4410097791544

Option 2 ID : 4410097791543

Option 3 ID : 4410097791545

Option 4 ID : 4410097791546

Chosen Option : 2

Q.96 What is represented in a raster data model within GIS?

- Ans**
- ☒ 1. Objects as individual points
 - ☒ 2. Space as a grid of cells or pixels
 - ☒ 3. Regions as overlapping polygons
 - ☒ 4. Features as connected line segments

Question ID : 4410092049867

Option 1 ID : 4410098070700

Option 2 ID : 4410098070697

Option 3 ID : 4410098070699

Option 4 ID : 4410098070698

Chosen Option : --

Q.97 In cold regions, which two factors are commonly evaluated together while determining the safe depth of a foundation?

- Ans**
- ☒ 1. Soil characteristics and possible frost penetration effects
 - ☒ 2. Groundwater variation and atmospheric temperature changes
 - ☒ 3. Soil classification and average annual rainfall condition
 - ☒ 4. Seasonal rainfall intensity and groundwater fluctuation level

Question ID : 4410091985883

Option 1 ID : 4410097821742

Option 2 ID : 4410097821741

Option 3 ID : 4410097821744

Option 4 ID : 4410097821743

Chosen Option : 3

Q.98 The method of reiteration in theodolite surveying is most suitable when:

- Ans**
- ☒ 1. Vertical angles are repeatedly observed with high precision
 - ☒ 2. Individual bearings are measured for isolated survey lines
 - ☒ 3. Multiple horizontal angles are to be measured at a station
 - ☒ 4. Average of a horizontal angle measured is a number of times

Question ID : 4410091986514

Option 1 ID : 4410097824170

Option 2 ID : 4410097824171

Option 3 ID : 4410097824169

Option 4 ID : 4410097824172

Chosen Option : --

Q.99 Which of the following corrections is applied in long-distance trigonometric levelling?

Ans ☒ 1. Temperature correction

☒ 2. Curvature and refraction correction

☒ 3. Sag correction

☒ 4. Scale correction

Question ID : 4410091965649

Option 1 ID : 4410097742888

Option 2 ID : 4410097742891

Option 3 ID : 4410097742890

Option 4 ID : 4410097742889

Chosen Option : 2

Q.100 Which of the following terms refer to the net loading intensity that soil can bear without undergoing shear failure or settlement failure?

Ans ☒ 1. Allowable Bearing Capacity

☒ 2. Ultimate Bearing Capacity

☒ 3. Net Ultimate Bearing Capacity

☒ 4. Safe Bearing Capacity

Question ID : 4410091047306

Option 1 ID : 4410094138250

Option 2 ID : 4410094138249

Option 3 ID : 4410094138251

Option 4 ID : 4410094138252

Chosen Option : 2

Q.101 A building weighs 8000 kN and is to be supported by a floating raft. If the soil removed has a unit weight of 20 kN/m³ and the excavation is 4 m deep, what should be the minimum area of the raft foundation?

Ans ☒ 1. 100 square meters

☒ 2. 800 square meters

☒ 3. 200 square meters

☒ 4. 400 square meters

Question ID : 4410091985560

Option 1 ID : 4410097820460

Option 2 ID : 4410097820458

Option 3 ID : 4410097820459

Option 4 ID : 4410097820457

Chosen Option : 3

Q.102 Which of the following features in AutoCAD is mainly used for organizing drawing components systematically?

- Ans**
- ☒ 1. Layers
 - ☐ 2. Coordinates
 - ☐ 3. Dimensions
 - ☐ 4. Grips

Question ID : 4410092010634

Option 1 ID : 4410097917577

Option 2 ID : 4410097917576

Option 3 ID : 4410097917574

Option 4 ID : 4410097917575

Chosen Option : 2

Q.103 Which accessory is specifically used to transfer the endpoint of a horizontal chain segment onto sloping ground?

- Ans**
- ☐ 1. Optical square for establishing perpendicular offsets from the measured chain line
 - ☒ 2. Plumb bob for vertically projecting the chain endpoint onto the ground surface
 - ☐ 3. Cross staff for locating intermediate stations between inaccessible survey points
 - ☐ 4. Prismatic compass for determining the magnetic bearing of the survey alignment

Question ID : 4410091993901

Option 1 ID : 4410097853086

Option 2 ID : 4410097853087

Option 3 ID : 4410097853085

Option 4 ID : 4410097853088

Chosen Option : 2

Q.104 In case of reciprocal levelling, the collimation error is eliminated by:

- Ans**
- ☒ 1. Taking staff readings from both ends of obstruction
 - ☐ 2. Using automatic level
 - ☐ 3. Using short sights from one end of obstruction
 - ☐ 4. Adjusting the staff vertically

Question ID : 4410091965688

Option 1 ID : 4410097743047

Option 2 ID : 4410097743045

Option 3 ID : 4410097743044

Option 4 ID : 4410097743046

Chosen Option : 3

Q.105 Which of the following methods would best represent continuous data such as average rainfall across a geographic area?

- Ans**
- ☒ 1. Dot mapping
 - ☒ 2. Dasymetric method
 - ☒ 3. Cartogram mapping
 - ☒ 4. Isopleth mapping

Question ID : **4410091986542**

Option 1 ID : **4410097824277**

Option 2 ID : **4410097824279**

Option 3 ID : **4410097824280**

Option 4 ID : **4410097824278**

Chosen Option : --

Q.106 In environmental monitoring, remote sensing helps by ____.

- Ans**
- ☒ 1. Predicting earthquakes
 - ☒ 2. Extracting minerals directly
 - ☒ 3. Tracking deforestation and land-use changes over time
 - ☒ 4. Manufacturing environmental sensors

Question ID : **4410091361678**

Option 1 ID : **4410095378765**

Option 2 ID : **4410095378763**

Option 3 ID : **4410095378764**

Option 4 ID : **4410095378766**

Chosen Option : --

Q.107 Which of the following procedures is typically used to calculate the reduced level at a new station after moving the levelling instrument by means of a change point?

- Ans**
- ☒ 1. Subtract the back sight from the reduced level of change point and then add the fore sight taken to the new station.
 - ☒ 2. Add the back sight to the reduced level of change point and then subtract the fore sight taken to the new station.
 - ☒ 3. Add fore sight taken to change point in the previous set up from its reduced level and subtract the fore sight to the new station
 - ☒ 4. Add the back sight to the reduced level of change point and then add the fore sight taken to the new station.

Question ID : **4410091980590**

Option 1 ID : **4410097801181**

Option 2 ID : **4410097801184**

Option 3 ID : **4410097801182**

Option 4 ID : **4410097801183**

Chosen Option : **4**

Q.108 The prismoidal formula is primarily used in surveying for computing:

- Ans**
- ☒ 1. Areas enclosed within irregular traverse boundary measurements
 - ☒ 2. Volumes enclosed between successive cross-sectional end areas
 - ☒ 3. Reduced levels obtained from benchmark levelling observations
 - ☒ 4. Bearings corrected for angular misclosure in traverses accurately

Question ID : 4410091985771

Option 1 ID : 4410097821297

Option 2 ID : 4410097821300

Option 3 ID : 4410097821299

Option 4 ID : 4410097821298

Chosen Option : 1

Q.109 The R.F. of a map is 1 : 10000. If the map distance between two points is 5 cm, what is the actual ground distance?

- Ans**
- ☒ 1. 100 m
 - ☒ 2. 5 m
 - ☒ 3. 500 m
 - ☒ 4. 50 m

Question ID : 4410091081016

Option 1 ID : 4410094261257

Option 2 ID : 4410094261254

Option 3 ID : 4410094261255

Option 4 ID : 4410094261256

Chosen Option : 4

Q.110 Among the following, which is a standard method of plane table surveying?

- Ans**
- ☒ 1. Triangulation method
 - ☒ 2. Radiation method
 - ☒ 3. Contouring method
 - ☒ 4. Levelling method

Question ID : 4410092016290

Option 1 ID : 4410097939572

Option 2 ID : 4410097939573

Option 3 ID : 4410097939571

Option 4 ID : 4410097939574

Chosen Option : 2

Q.111 In a closed traverse, the primary purpose of measuring both the Fore Bearing (FB) and the Back Bearing (BB) of every line is to ____.

- Ans**
- ☒ 1. Convert the measured bearings to True Bearings
- ☒ 2. Detect the presence of Local Attraction at the survey stations
- ☒ 3. Calculate the vertical angles of the line
- ☒ 4. Determine the true meridian for the entire traverse

Question ID : **4410091363085**

Option 1 ID : **4410095384281**

Option 2 ID : **4410095384280**

Option 3 ID : **4410095384279**

Option 4 ID : **4410095384282**

Chosen Option : **2**

Q.112 Which of the following measurements is/are essential for the Total Station to compute the coordinates of a point?

- Ans**
- ☒ 1. Only horizontal angle
- ☒ 2. Camera image
- ☒ 3. Only vertical angle
- ☒ 4. Slope distance, vertical and horizontal angles

Question ID : **441009305999**

Option 1 ID : **4410091190742**

Option 2 ID : **4410091190745**

Option 3 ID : **4410091190743**

Option 4 ID : **4410091190744**

Chosen Option : **--**

Q.113 In reciprocal levelling, to determine the difference in elevation between two points, the instrument is stationed ____.

- Ans**
- ☒ 1. midway between the two points
- ☒ 2. near each of the points in succession
- ☒ 3. near to the point of the lowest elevation
- ☒ 4. near to the point of the highest elevation

Question ID : **441009128299**

Option 1 ID : **441009509812**

Option 2 ID : **441009509813**

Option 3 ID : **441009509811**

Option 4 ID : **441009509810**

Chosen Option : **1**

Q.114 The Shrinkage Limit (w_s) is defined as the maximum water content at which a further decrease in water content will not cause which of the following changes in the saturated soil mass?

- Ans**
- ☒ 1. A transition of the soil from plastic to semi-solid state
 - ☒ 2. The formation of cracks or fissures in the soil mass
 - ☒ 3. A change in the soil's shear strength
 - ☒ 4. A reduction in the total volume of the soil mass

Question ID : 4410091375705

Option 1 ID : 4410095434254

Option 2 ID : 4410095434257

Option 3 ID : 4410095434256

Option 4 ID : 4410095434255

Chosen Option : 4

Q.115 What is a limitation of optical remote sensing in disaster management applications?

- Ans**
- ☒ 1. Only experts can interpret all images
 - ☒ 2. Remote areas cannot be observed
 - ☒ 3. Time of day always restricts imaging
 - ☒ 4. Cloud cover can obstruct data acquisition

Question ID : 4410091994187

Option 1 ID : 4410097853808

Option 2 ID : 4410097853806

Option 3 ID : 4410097853805

Option 4 ID : 4410097853807

Chosen Option : --

Q.116 Identify the INCORRECT statement about the application of remote sensing for land use/land cover analysis applications.

- Ans**
- ☒ 1. Different types of land use are easily distinguishable on the images obtained by remote sensing.
 - ☒ 2. For surveys of small areas, the cost of mobilising a remote sensing mission may be uneconomical.
 - ☒ 3. Remote sensing images eliminate the problems of surface access that hamper ground surveys.
 - ☒ 4. Remote sensing image interpretation is faster and less expensive than conducting ground surveys.

Question ID : 441009191745

Option 1 ID : 441009755660

Option 2 ID : 441009755661

Option 3 ID : 441009755662

Option 4 ID : 441009755663

Chosen Option : --

Q.117 The principle of the diagonal scale is based on:

- Ans**
- ☒ 1. Trigonometric projection
 - ☒ 2. Similar triangles
 - ☒ 3. Interpolation of measurements
 - ☒ 4. Vernier coincidence

Question ID : 4410091424152

Option 1 ID : 4410095625406

Option 2 ID : 4410095625407

Option 3 ID : 4410095625409

Option 4 ID : 4410095625408

Chosen Option : 1

Q.118 Which datum is most commonly used in UTM to geographical coordinate transformations for global accuracy?

- Ans**
- ☒ 1. WGS84
 - ☒ 2. NAD83
 - ☒ 3. ED50
 - ☒ 4. NAD27

Question ID : 4410091989363

Option 1 ID : 4410097835232

Option 2 ID : 4410097835229

Option 3 ID : 4410097835231

Option 4 ID : 4410097835230

Chosen Option : 3

Q.119 The relationship between the fundamental axes of a theodolite requires that:

- Ans**
- ☒ 1. The vertical axis is perpendicular to the horizontal axis
 - ☒ 2. The line of sight is parallel to the vertical axis
 - ☒ 3. The horizontal axis is parallel to the line of sight
 - ☒ 4. The vertical axis is inclined at 45° to the horizontal axis

Question ID : 4410091558660

Option 1 ID : 4410096157030

Option 2 ID : 4410096157031

Option 3 ID : 4410096157032

Option 4 ID : 4410096157033

Chosen Option : 1

Q.120 Which of the following quantities is used directly for determining closing error in a closed traverse?

- Ans**
- ☐ 1. Difference between chain lengths and contour intervals measured
 - ☐ 2. Product of traverse perimeter and included angle corrections
 - ☒ 3. Algebraic sums of latitudes and departures of traverse lines
 - ☐ 4. Sum of included angles and benchmark elevations observed

Question ID : 4410092016258

Option 1 ID : 4410097939469

Option 2 ID : 4410097939470

Option 3 ID : 4410097939467

Option 4 ID : 4410097939468

Chosen Option : --

Section : General English

Q.1 Select the most appropriate meaning of the word underlined in the given sentence.

The committee's decision was met with consternation by the staff, who had expected a more favourable outcome.

- Ans**
- ☒ 1. dismay
 - ☐ 2. delight
 - ☐ 3. confusion
 - ☐ 4. relief

Question ID : 4410091500237

Option 1 ID : 4410095925816

Option 2 ID : 4410095925815

Option 3 ID : 4410095925817

Option 4 ID : 4410095925814

Chosen Option : 4

Q.2 Choose the word that best expresses the meaning of the underlined word in the sentence.

His benevolent nature made him popular among the villagers.

- Ans**
- ☒ 1. Brutish
- ☒ 2. Compassionate
- ☒ 3. Gregarious
- ☒ 4. Meticulous

Question ID : 4410091473038

Option 1 ID : 4410095820010

Option 2 ID : 4410095820009

Option 3 ID : 4410095820011

Option 4 ID : 4410095820012

Chosen Option : --

Q.3 Fill in the blank with a suitable article.

She was offered ____ internship opportunity at a leading investment bank in Mumbai.

- Ans**
- ☒ 1. a
- ☒ 2. no article
- ☒ 3. an
- ☒ 4. the

Question ID : 441009193928

Option 1 ID : 441009763705

Option 2 ID : 441009763708

Option 3 ID : 441009763706

Option 4 ID : 441009763707

Chosen Option : 1

Q.4 In the given sentence four segment have been underlined. Select the option that correctly identifies and rectifies the erroneous word.

Despite of his efforts, he could not conform to the new regulations.

- Ans**
- ☒ 1. Despite
- ☒ 2. him
- ☒ 3. conform for
- ☒ 4. should

Question ID : 4410091685450

Option 1 ID : 4410096648698

Option 2 ID : 4410096648699

Option 3 ID : 4410096648701

Option 4 ID : 4410096648700

Chosen Option : 2

Q.5 Choose the correct meaning of the idiom from the given options.

Back to square one

Ans ☒ 1. To improve something step by step

☒ 2. To return to the beginning after a failed attempt

☒ 3. To complete a task successfully

☒ 4. To move ahead with confidence

Question ID : 441009948235

Option 1 ID : 4410093746446

Option 2 ID : 4410093746448

Option 3 ID : 4410093746445

Option 4 ID : 4410093746447

Chosen Option : --

Q.6 Select the correct option that can substitute the highlighted word segment in the given sentence.

Despite the complexity of the puzzle, he **methodically analysed every detail** until he finally solved it.

Ans ☒ 1. let the cat out of the bag

☒ 2. left no stone unturned

☒ 3. threw in the towel

☒ 4. bit off more than he could chew

Question ID : 4410096623

Option 1 ID : 44100926246

Option 2 ID : 44100926243

Option 3 ID : 44100926244

Option 4 ID : 44100926245

Chosen Option : --

Q.7 Keeping the first segment fixed, arrange the rest of the segments (ABCDE) in the correct order to form a meaningful and coherent sentence.

Fixed Segment: After the concert,

A. the fans B. outside the venue C. waited eagerly D. for the musicians E. despite the late hour

Ans ✓ 1. ACDBE

✗ 2. DACBE

✗ 3. EADCB

✗ 4. CADEB

Question ID : 4410091690444

Option 1 ID : 4410096667976

Option 2 ID : 4410096667977

Option 3 ID : 4410096667974

Option 4 ID : 4410096667975

Chosen Option : 1

Comprehension:

Read the passage carefully and answer the questions that follow.

Cubism was one of the most influential art movements of the early 20th century, emerging from the desire for intense experimentation and using distortion as a tool to challenge prevailing norms in the art world. In the Indian context, it attained a distinct identity, becoming more fluid but with roots in ancient Indian traditions and museum collections.

In the early 20th century, Cubism challenged the then-prevalent belief that art should copy nature or that artists should adopt traditional techniques of perception and depiction. Instead, it emphasised expressing three-dimensional reality through geometrical shapes.

While Spanish artist Pablo Picasso and French artist Georges Braque are credited with formally developing the artistic style, the term itself was coined by French art critic Louis Vauxcelles. He described Braque's 1908 landscape work by referring to its abstract geometric shapes as "cubes." Before the approach gained popularity, French artist Paul Cézanne had been creating Cubist paintings that utilised varying perspectives and geometrical shapes. Picasso also admitted to seeking inspiration from stylised African tribal masks for his non-naturalistic, fractured approach to art.

SubQuestion No : 8

Q.8 Which of the following would be the most suitable title for the passage?

Ans ✗ 1. The Decline of Traditional Art Styles

✗ 2. The Impact of Picasso on Modern Art

✓ 3. How Cubism Revolutionised Artistic Expression

✗ 4. The History of Indian Art Forms

Question ID : 441009113288

Option 1 ID : 441009450670

Option 2 ID : 441009450667

Option 3 ID : 441009450669

Option 4 ID : 441009450668

Chosen Option : 3

Comprehension:

Read the passage carefully and answer the questions that follow.

Cubism was one of the most influential art movements of the early 20th century, emerging from the desire for intense experimentation and using distortion as a tool to challenge prevailing norms in the art world. In the Indian context, it attained a distinct identity, becoming more fluid but with roots in ancient Indian traditions and museum collections.

In the early 20th century, Cubism challenged the then-prevalent belief that art should copy nature or that artists should adopt traditional techniques of perception and depiction. Instead, it emphasised expressing three-dimensional reality through geometrical shapes.

While Spanish artist Pablo Picasso and French artist Georges Braque are credited with formally developing the artistic style, the term itself was coined by French art critic Louis Vauxcelles. He described Braque's 1908 landscape work by referring to its abstract geometric shapes as "cubes."

Before the approach gained popularity, French artist Paul Cézanne had been creating Cubist paintings that utilised varying perspectives and geometrical shapes. Picasso also admitted to seeking inspiration from stylised African tribal masks for his non-naturalistic, fractured approach to art.

SubQuestion No : 9

Q.9 Who is credited with co-developing Cubism as a formal artistic style?

Ans ☒ 1. Paul Cézanne and Louis Vauxcelles

☒ 2. Louis Vauxcelles and Pablo Picasso

☒ 3. Paul Cézanne and Georges Braque

☒ 4. Pablo Picasso and Georges Braque

Question ID : 441009113289

Option 1 ID : 441009450674

Option 2 ID : 441009450673

Option 3 ID : 441009450671

Option 4 ID : 441009450672

Chosen Option : 4

Comprehension:

Read the passage carefully and answer the questions that follow.

Cubism was one of the most influential art movements of the early 20th century, emerging from the desire for intense experimentation and using distortion as a tool to challenge prevailing norms in the art world. In the Indian context, it attained a distinct identity, becoming more fluid but with roots in ancient Indian traditions and museum collections.

In the early 20th century, Cubism challenged the then-prevalent belief that art should copy nature or that artists should adopt traditional techniques of perception and depiction. Instead, it emphasised expressing three-dimensional reality through geometrical shapes.

While Spanish artist Pablo Picasso and French artist Georges Braque are credited with formally developing the artistic style, the term itself was coined by French art critic Louis Vauxcelles. He described Braque's 1908 landscape work by referring to its abstract geometric shapes as "cubes." Before the approach gained popularity, French artist Paul Cézanne had been creating Cubist paintings that utilised varying perspectives and geometrical shapes. Picasso also admitted to seeking inspiration from stylised African tribal masks for his non-naturalistic, fractured approach to art.

SubQuestion No : 10

Q.10 Which of the following did Cubism, as an art movement, challenge?

Ans ✓ 1. The belief that art should copy nature or that artists should adopt traditional techniques

✗ 2. The expression of three-dimensional reality using geometric shapes

✗ 3. The idea of seeking inspiration from tribal art forms and techniques

✗ 4. The dismissal of traditional techniques and depictions

Question ID : 441009113290

Option 1 ID : 441009450677

Option 2 ID : 441009450675

Option 3 ID : 441009450678

Option 4 ID : 441009450676

Chosen Option : 1

Section : Reasoning

Q.1 S, T, U, V, X, Y and Z are sitting around a circular table, facing the center of the table.
Only three people sit between V and X when counted from the left of V. Only three people sit between S and T when counted from the right of T. U sits to the immediate right of S. Y is an immediate neighbor of T as well as X. Who sits third to the right of Z?

Ans ✗ 1. U

✗ 2. S

✓ 3. V

✗ 4. T

Question ID : 441009807621

Option 1 ID : 4410093184608

Option 2 ID : 4410093184610

Option 3 ID : 4410093184607

Option 4 ID : 4410093184609

Chosen Option : 1

Q.2 Om starts from Point A and drives 16 km towards the West. He then takes a right turn, drives 26 km, turns right and drives 32 km. He then takes a right turn and drives 35 km. He takes a final right turn, drives 16 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

Ans ✓ 1. 9 km to the North

✗ 2. 8 km to the North

✗ 3. 7 km to the North

✗ 4. 6 km to the North

Question ID : 441009781706

Option 1 ID : 4410093080830

Option 2 ID : 4410093080829

Option 3 ID : 4410093080828

Option 4 ID : 4410093080827

Chosen Option : 1

Q.3 Refer to the following number, symbol series and answer the question. Counting to be done from left to right only. All numbers are single-digit numbers only.
(Left) ^ 6 1 2 > 4 # 2 6 @ < % > 9 / < 3 % # ^ 1 (Right)
How many such numbers are there, each of which is immediately preceded by a number and also immediately followed by a symbol?

Ans ✗ 1. One

✓ 2. Two

✗ 3. Three

✗ 4. Four

Question ID : 441009816801

Option 1 ID : 4410093221330

Option 2 ID : 4410093221329

Option 3 ID : 4410093221328

Option 4 ID : 4410093221327

Chosen Option : --

Q.4 What should come in place of '?' in the given series?
78, 84, 96, 114, 138, ?

- Ans**
- ☒ 1. 168
- ☐ 2. 164
- ☐ 3. 166
- ☐ 4. 170

Question ID : 4410091481094

Option 1 ID : 4410095851514

Option 2 ID : 4410095851516

Option 3 ID : 4410095851515

Option 4 ID : 4410095851517

Chosen Option : 1

Q.5 What should come in place of ? in the given series based on the English alphabetical order?

AZD EDH IHL MLP ?

- Ans**
- ☐ 1. RST
- ☐ 2. UVW
- ☒ 3. QPT
- ☐ 4. OPQ

Question ID : 4410091589730

Option 1 ID : 4410096279458

Option 2 ID : 4410096279459

Option 3 ID : 4410096279456

Option 4 ID : 4410096279457

Chosen Option : 3

Q.6 LL 22 is related to JH 6 in a certain way. In the same way, CR 20 is related to AN 4. To which of the following is GN 14 related, following the same logic?

- Ans**
- ☐ 1. FJ -4
- ☐ 2. FI -4
- ☒ 3. EJ -2
- ☐ 4. EI -2

Question ID : 441009775469

Option 1 ID : 4410093055882

Option 2 ID : 4410093055881

Option 3 ID : 4410093055880

Option 4 ID : 4410093055879

Chosen Option : --

Q.7 The position(s) of how many letters will remain unchanged if each of the letters in the word CAUTION is arranged in the reverse English alphabetical order?

Ans ☒ 1. Zero

☒ 2. Three

☒ 3. One

☒ 4. Two

Question ID : 441009756271

Option 1 ID : 4410092979077

Option 2 ID : 4410092979080

Option 3 ID : 4410092979078

Option 4 ID : 4410092979079

Chosen Option : 1

Q.8 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 letter-cluster pair 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 ☒ 1. YH-HQ

☒ 2. OT-LS

☒ 3. UD-DM

☒ 4. TC-CL

Question ID : 4410091148946

Option 1 ID : 4410094530742

Option 2 ID : 4410094530740

Option 3 ID : 4410094530741

Option 4 ID : 4410094530743

Chosen Option : 2

Q.9 P, Q, R, S, T, U, और V में से प्रत्येक की परीक्षा सोमवार से शुरू होकर रविवार को समाप्त होने वाले एक ही सप्ताह के अलग-अलग दिनों पर होती है। P की परीक्षा शनिवार को होती है। U और S के बीच केवल 4 व्यक्तियों की परीक्षा होती है, जिनमें से सोमवार को किसी की भी परीक्षा नहीं होती है। Q की परीक्षा T के ठीक बाद होती है और R की परीक्षा T से ठीक पहले होती है। S की परीक्षा Q के बाद किसी दिन होती है। P और T के बीच कितने व्यक्तियों की परीक्षा होती है?

Ans ☒ 1. 4

☒ 2. 2

☒ 3. 3

☒ 4. 1

Question ID : 441009755659

Option 1 ID : 4410092976632

Option 2 ID : 4410092976630

Option 3 ID : 4410092976631

Option 4 ID : 4410092976629

Chosen Option : 3

Q.10 PUZE is related to JOTY in a certain way based on the English alphabetical order. In the same way, JOTY is related to DINS. To which of the following is DINS related to, following the same logic?490

Ans ☒ 1. XCQM

☒ 2. XCTV

☒ 3. XCHM

☒ 4. XCLP

Question ID : 441009754862

Option 1 ID : 4410092973443

Option 2 ID : 4410092973444

Option 3 ID : 4410092973441

Option 4 ID : 4410092973442

Chosen Option : 4

Q.11 गोलू, टीना का भाई है। टीना, राम की बहन है। राम, नेहा का पुत्र है और नेहा, महेश की पत्नी है। गोलू का महेश से क्या संबंध है?

Ans ☒ 1. पिता

☒ 2. भाई

☒ 3. पुत्र

☒ 4. पुत्र का पुत्र

Question ID : 4410091485056

Option 1 ID : 4410095866702

Option 2 ID : 4410095866703

Option 3 ID : 4410095866701

Option 4 ID : 4410095866704

Chosen Option : 1

Q.12 What should come in place of the question mark (?) in the given series?

185 170 150 125 95 ?

Ans ☒ 1. 65

☒ 2. 60

☒ 3. 50

☒ 4. 70

Question ID : 4410091185

Option 1 ID : 4410094735

Option 2 ID : 4410094734

Option 3 ID : 4410094733

Option 4 ID : 4410094736

Chosen Option : 3

Q.13 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 tables are chairs.

All tables are beds.

All beds are pillows.

Conclusions:

(I) All tables are pillows.

(II) Some beds are chairs.2355

Ans ☒ 1. Neither conclusion (I) nor (II) follows

☒ 2. Only conclusion (I) follows

☒ 3. Only conclusion (II) follows

☒ 4. Both conclusions (I) and (II) follow

Question ID : 441009756679

Option 1 ID : 4410092980710

Option 2 ID : 4410092980712

Option 3 ID : 4410092980711

Option 4 ID : 4410092980709

Chosen Option : 2

Q.14 This question consists of a statement followed by two arguments I and II. Read the statement and the arguments carefully and select the most appropriate answer from the given options.

Statement:

College education should be made free for all.

Arguments:

- I. It will help economically weaker students get higher education.
II. Free education will reduce the quality of colleges.

- Ans** ☒ 1. I weakens while II strengthens the statement.
☒ 2. II weakens while I strengthens the statement.
☒ 3. Both I and II strengthen the statement.
☒ 4. Both I and II weaken the statement.

Question ID : 441009346954

Option 1 ID : 4410091353890

Option 2 ID : 4410091353889

Option 3 ID : 4410091353887

Option 4 ID : 4410091353888

Chosen Option : 2

Q.15 In a row of 35 people facing north, Vibha is 9th from the right end. If Nishtha sits seventh to the left of Vibha, what is Nishtha's position from the left end of the line?

- Ans** ☒ 1. 22nd
☒ 2. 20th
☒ 3. 19th
☒ 4. 21st

Question ID : 4410091483487

Option 1 ID : 4410095860848

Option 2 ID : 4410095860845

Option 3 ID : 4410095860847

Option 4 ID : 4410095860846

Chosen Option : 1

Section : Quantitative Aptitude

Q.1 A speaks truth in 80% of the cases, while B speaks truth in 90% of the cases. In what percentage of cases are they likely to contradict each other in stating the same fact?

- Ans**
- ☒ 1. 24%
- ☒ 2. 28%
- ☒ 3. 20%
- ☒ 4. 26%

Question ID : 4410091221467

Option 1 ID : 4410094819292

Option 2 ID : 4410094819294

Option 3 ID : 4410094819291

Option 4 ID : 4410094819293

Chosen Option : 3

Q.2 A shop offers a scheme: "Buy 7, Get 2 Free". What is the effective discount percentage (rounded off to two decimal places)?

- Ans**
- ☒ 1. 22.84%
- ☒ 2. 22.33%
- ☒ 3. 22.66%
- ☒ 4. 22.22%

Question ID : 4410091396699

Option 1 ID : 4410095516451

Option 2 ID : 4410095516449

Option 3 ID : 4410095516450

Option 4 ID : 4410095516448

Chosen Option : 4

Q.3 The population of a town increases by 5% in the first year, decreases by 10% in the second year, and again increases by 20% in the third year. If the initial population was 32,000, what is the current population of the town?

- Ans**
- ☒ 1. 36,166
- ☒ 2. 36,332
- ☒ 3. 36,044
- ☒ 4. 36,288

Question ID : 4410091457838

Option 1 ID : 4410095759641

Option 2 ID : 4410095759643

Option 3 ID : 4410095759640

Option 4 ID : 4410095759642

Chosen Option : 2

Q.4 A and B can complete a work together in 15 days. After both work for 5 days, B leaves and A completes the remaining work in 15 days. How long would B alone have taken to complete the entire work?

- Ans**
- ☒ 1. 25 days
- ☒ 2. 90 days
- ☒ 3. 45 days
- ☒ 4. 50 days

Question ID : 4410091879619

Option 1 ID : 4410097405465

Option 2 ID : 4410097405468

Option 3 ID : 4410097405466

Option 4 ID : 4410097405467

Chosen Option : 2

Q.5 The price of a shirt increases from ₹400 to ₹460. What is the percentage increase in price?

- Ans**
- ☒ 1. 12%
- ☒ 2. 20%
- ☒ 3. 10%
- ☒ 4. 15%

Question ID : 4410091244937

Option 1 ID : 4410094913030

Option 2 ID : 4410094913032

Option 3 ID : 4410094913029

Option 4 ID : 4410094913031

Chosen Option : 1

Q.6 Two solutions are mixed in the ratio 5:3. If the total mixture is 108 liters, how many liters of the first solution are used?

- Ans**
- ☒ 1. 76.5
- ☒ 2. 37.5
- ☒ 3. 67.5
- ☒ 4. 62.5

Question ID : 4410091539989

Option 1 ID : 4410096083305

Option 2 ID : 4410096083306

Option 3 ID : 4410096083304

Option 4 ID : 4410096083303

Chosen Option : 3

Q.7 From the top of a vertical cliff, the angles of depression of two points A and B on the horizontal ground in the same straight line and on the same side of the cliff are observed to be 30° and 60° , respectively. If the distance between points A and B is 20 m, find the height of the cliff.

Ans ☒ 1. $15\sqrt{3}$ m

☒ 2. $10\sqrt{3}$ m

☒ 3. $20\sqrt{3}$ m

☒ 4. $25\sqrt{3}$ m

Question ID : 4410091596714

Option 1 ID : 4410096306883

Option 2 ID : 4410096306882

Option 3 ID : 4410096306884

Option 4 ID : 4410096306885

Chosen Option : --

Q.8 The HCF of two numbers is 18, and their LCM is 360. If one of the numbers is 90, find the other.

Ans ☒ 1. 72

☒ 2. 54

☒ 3. 60

☒ 4. 45

Question ID : 4410091472988

Option 1 ID : 4410095819812

Option 2 ID : 4410095819810

Option 3 ID : 4410095819811

Option 4 ID : 4410095819809

Chosen Option : 1

Q.9 The ratio of the perimeter to the breadth of a rectangle is 8 : 3. If the area of the rectangle is 75 cm^2 , find the perimeter (in cm) of the rectangle.

Ans ☒ 1. 32

☒ 2. 48

☒ 3. 40

☒ 4. 56

Question ID : 441009601989

Option 1 ID : 4410092363074

Option 2 ID : 4410092363075

Option 3 ID : 4410092363073

Option 4 ID : 4410092363076

Chosen Option : 1

Q.10 During a sale, 40% of the goods are sold at a profit of 35%. Then, 10% of the remaining goods are sold at a profit of 25%, and the rest are sold at a loss of 50%. If the overall loss is x%, then what is the value of x?

Ans ☒ 1. 6

☒ 2. 11.5

☒ 3. 10.5

☒ 4. 7

Question ID : 441009547543

Option 1 ID : 4410092145569

Option 2 ID : 4410092145568

Option 3 ID : 4410092145571

Option 4 ID : 4410092145570

Chosen Option : --

Q.11 A man crosses a 2400 m long street in 5 minutes. What is his speed in km per hour?

Ans ☒ 1. 28.8

☒ 2. 30.8

☒ 3. 32.8

☒ 4. 34.8

Question ID : 4410091512507

Option 1 ID : 4410095974086

Option 2 ID : 4410095974087

Option 3 ID : 4410095974088

Option 4 ID : 4410095974089

Chosen Option : --

Q.12 Rakesh borrowed a sum of ₹10000 at a certain rate of simple interest for 4 years. If he paid an interest of ₹5000 at the end of the period at x% per annum rate of interest, the value of x is:

Ans ☒ 1. 12.5

☒ 2. 14.5

☒ 3. 11.5

☒ 4. 13.5

Question ID : 441009516861

Option 1 ID : 4410092022863

Option 2 ID : 4410092022865

Option 3 ID : 4410092022866

Option 4 ID : 4410092022864

Chosen Option : 2

Q.13 Two concentric circles are of radii 10 cm and 6 cm. The length of the chord of the larger circle that touches the smaller circle is _____.

- Ans**
- ☒ 1. 8 cm
- ☒ 2. 16 cm
- ☒ 3. 7 cm
- ☒ 4. 12 cm

Question ID : 441009592544

Option 1 ID : 4410092325294

Option 2 ID : 4410092325295

Option 3 ID : 4410092325293

Option 4 ID : 4410092325296

Chosen Option : --

Q.14 The difference between the ages of Radha and Murari is 21 years. Five years ago, the sum of their ages was 31 years. If Radha is older than Murari, find Murari's present age (in years).

- Ans**
- ☒ 1. 16
- ☒ 2. 14
- ☒ 3. 11
- ☒ 4. 10

Question ID : 4410091220213

Option 1 ID : 4410094814276

Option 2 ID : 4410094814278

Option 3 ID : 4410094814277

Option 4 ID : 4410094814275

Chosen Option : 4

Q.15 Find the average of 5 consecutive prime numbers starting from 11.

- Ans**
- ☒ 1. 14.5
- ☒ 2. 13.1
- ☒ 3. 13.4
- ☒ 4. 16.6

Question ID : 4410091434948

Option 1 ID : 4410095668335

Option 2 ID : 4410095668333

Option 3 ID : 4410095668334

Option 4 ID : 4410095668336

Chosen Option : 4

Section : General Knowledge

Q.1 Which of the following landforms lies to the east of the Peninsular Plateau in India?

- Ans**
- ☒ 1. Satpura Range
 - ☒ 2. Aravalli Range
 - ☒ 3. Western Ghats
 - ☒ 4. Rajmahal Hills

Question ID : 4410091180293

Option 1 ID : 4410094655299

Option 2 ID : 4410094655298

Option 3 ID : 4410094655296

Option 4 ID : 4410094655297

Chosen Option : 1

Q.2 The rulers who governed the Delhi Sultanate from 1206 CE to 1290 CE belonged to which dynasty?

- Ans**
- ☒ 1. Mamluk Dynasty
 - ☒ 2. Lodhi Dynasty
 - ☒ 3. Khilji Dynasty
 - ☒ 4. Tughlaq Dynasty

Question ID : 4410091513601

Option 1 ID : 4410095978396

Option 2 ID : 4410095978397

Option 3 ID : 4410095978394

Option 4 ID : 4410095978395

Chosen Option : 1

Q.3 Which of the following Constitutional Amendment Acts of the Indian Constitution reserves one-third of seats in the Lok Sabha and the State Legislative Assembly for women?

- Ans**
- ☒ 1. 106th Constitutional Amendment Act
 - ☒ 2. 103rd Constitutional Amendment Act
 - ☒ 3. 105th Constitutional Amendment Act
 - ☒ 4. 104th Constitutional Amendment Act

Question ID : 441009287593

Option 1 ID : 4410091117291

Option 2 ID : 4410091117288

Option 3 ID : 4410091117290

Option 4 ID : 4410091117289

Chosen Option : 1

Q.4 Which of the following is/are tertiary sector activities?

- I. Trade and logistics
II. Electricity production
III. Banking

- Ans** ☒ 1. Only II
☒ 2. Only I and III
☒ 3. I, II and III
☒ 4. Only I and II

Question ID : 441009276064

Option 1 ID : 4410091072386

Option 2 ID : 4410091072387

Option 3 ID : 4410091072389

Option 4 ID : 4410091072388

Chosen Option : 4

Q.5 A 600 g hammer is moving at a speed of 40 m/s when it strikes a nail. The nail brings the hammer to a complete stop in 0.01 seconds. The magnitude of the force exerted by the nail on the hammer is:

- Ans** ☒ 1. 150 N
☒ 2. 1500 N
☒ 3. 240 N
☒ 4. 2400 N

Question ID : 44100986328

Option 1 ID : 441009343009

Option 2 ID : 441009343011

Option 3 ID : 441009343010

Option 4 ID : 441009343012

Chosen Option : 4

Q.6 Which of the following best describes a major shift in India's monetary policy after the 1991 economic reforms?

- Ans** ☒ 1. Fixing interest rates for all commercial banks by the Ministry of Finance resulting in increased direct control
☒ 2. Greater use of credit rationing and selective credit controls by the RBI
☒ 3. Abandonment of all monetary policy tools by the RBI
☒ 4. Increased reliance on market-based instruments like open market operations and reserve requirements

Question ID : 441009263048

Option 1 ID : 4410091024741

Option 2 ID : 4410091024738

Option 3 ID : 4410091024739

Option 4 ID : 4410091024740

Chosen Option : --

Q.7 Who among the following participated in the Janjatiya Gaurav Diwas celebration at Ambikapur, Chhattisgarh, on November 20, 2025?

Ans ☒ 1. Nitin Gadkari

☒ 2. Droupadi Murmu

☒ 3. Amit Shah

☒ 4. Narendra Modi

Question ID : 4410091511198

Option 1 ID : 4410095968847

Option 2 ID : 4410095968848

Option 3 ID : 4410095968849

Option 4 ID : 4410095968846

Chosen Option : 4

Q.8 Which schedule of the Indian Constitution contains the powers and responsibilities of Municipalities?

Ans ☒ 1. Eleventh Schedule

☒ 2. Seventh Schedule

☒ 3. Twelfth Schedule

☒ 4. Tenth Schedule

Question ID : 4410091764557

Option 1 ID : 4410096958085

Option 2 ID : 4410096958087

Option 3 ID : 4410096958086

Option 4 ID : 4410096958084

Chosen Option : 1

Q.9 In which of the following places was the Under-20 FIFA World Cup final held in October 2025?

Ans ☒ 1. Montreal, Canada

☒ 2. Athens, Greece

☒ 3. Santiago, Chile

☒ 4. Liverpool, England

Question ID : 4410091457923

Option 1 ID : 4410095759975

Option 2 ID : 4410095759974

Option 3 ID : 4410095759973

Option 4 ID : 4410095759972

Chosen Option : 2

Q.10 Which of the following dance forms belongs to the women folk of Nambiar community?

Ans ☒ 1. Bharatnatyam

☒ 2. Kathak

☒ 3. Mohiniyattam

☒ 4. Manipuri

Question ID : 441009327851

Option 1 ID : 4410091277872

Option 2 ID : 4410091277873

Option 3 ID : 4410091277871

Option 4 ID : 4410091277874

Chosen Option : 3