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RECRUITMENT CELL
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Participant ID	
Participant Name	
Test Center Name	Az
Test Date	26/08/2023
Test Time	8:30 AM - 10:30 AM
Subject	Surveyor

Section : **Respective Discipline syllabus**

Q.1 The tangential method of tacheometry uses:

Ans
✗ 1. Readings against the top and bottom cross hairs only

✗ 2. Readings against all the three cross hairs

✔ 3. Readings against the middle cross hair only

✗ 4. A constant intercept on the staff

Question ID : **630680322979**
Option 1 ID : **6306801256450**
Option 2 ID : **6306801256449**
Option 3 ID : **6306801256451**
Option 4 ID : **6306801256452**
Status : **Answered**
Chosen Option : **3**

Q.2 A fresh detailed estimate in addition to the original sanctioned estimate prepared when additional works are deemed necessary during the progress of a work is called:

Ans

✔ 1. Supplementary estimate

✘ 2. Bottom-up estimating

✘ 3. Three-point estimating

✘ 4. Parametric estimating

Question ID : **630680323006**
Option 1 ID : **6306801256559**
Option 2 ID : **6306801256558**
Option 3 ID : **6306801256560**
Option 4 ID : **6306801256557**
Status : **Not Answered**
Chosen Option : **--**

Q.3 Which of the following statements describes tacheometry?

Ans

✘ 1. It is a method used to measure vertical distances.

✘ 2. It is a method used to measure horizontal distances.

✔ 3.
It is a method used to measure both horizontal and vertical distances without the use of a chain or tape.

✘ 4. It is a method used to measure angles.

Question ID : **630680322975**
Option 1 ID : **6306801256434**
Option 2 ID : **6306801256433**
Option 3 ID : **6306801256435**
Option 4 ID : **6306801256436**
Status : **Answered**
Chosen Option : **3**

Q.4 Which method is preferred for balancing the traverse, when angular measurements are more precise than the linear measurements?

Ans ✔ 1. Transit Rule

✘ 2. Compass Rule

✘ 3. Bowditch Rule

✘ 4. Graphical Method

Question ID : **630680322947**
Option 1 ID : **6306801256322**
Option 2 ID : **6306801256324**
Option 3 ID : **6306801256321**
Option 4 ID : **6306801256323**
Status : **Answered**
Chosen Option : **1**

Q.5 The limiting length of the offset does not depend on:

Ans ✘ 1. the nature of the ground

✘ 2. the scale of the map

✘ 3. the desired accuracy of the map

✔ 4. curvature of the earth

Question ID : **630680322939**
Option 1 ID : **6306801256291**
Option 2 ID : **6306801256290**
Option 3 ID : **6306801256289**
Option 4 ID : **6306801256292**
Status : **Answered**
Chosen Option : **4**

Q.6 Suppose the BM exists on the bottom surface of a culvert, and that it is required to find out the RL of A. The level is set up at O and the staff is held inverted on the BM. The staff reading, is taken and noted with a negative sign. Let the BS and FS readings be - 1.500 and 2.250 respectively. The RL of point A is, if the Benchmark is 100 m

Ans ✗ 1. 100.750 m

✗ 2. 102.250 m

✗ 3. 101.250 m

✓ 4. 96.250 m

Question ID : **630680322974**
Option 1 ID : **6306801256432**
Option 2 ID : **6306801256430**
Option 3 ID : **6306801256431**
Option 4 ID : **6306801256429**
Status : **Answered**
Chosen Option : **4**

Q.7 Which survey technique is used to measure the depth of water bodies?

Ans ✓ 1. Hydrographic surveying

✗ 2. Aerial surveying

✗ 3. GPS surveying

✗ 4. Topographic surveying

Question ID : **630680323000**
Option 1 ID : **6306801256535**
Option 2 ID : **6306801256534**
Option 3 ID : **6306801256533**
Option 4 ID : **6306801256536**
Status : **Answered**
Chosen Option : **1**

Q.8 Which of the following instrument can not be used for Sounding measurement in Hydrographic Survey?

Ans ✗ 1. Sounding Cable

✗ 2. Echo-Sounder

✗ 3. Sounding Rod

✔ 4. Atmospheric infrared sounder

Question ID : **630680323004**
Option 1 ID : **6306801256550**
Option 2 ID : **6306801256551**
Option 3 ID : **6306801256549**
Option 4 ID : **6306801256552**
Status : **Answered**
Chosen Option : **4**

Q.9 What term do mariners use to refer to the difference between the true north and the magnetic north, commonly found on nautical charts and maps?

Ans ✗ 1. Magnetic Inclination

✗ 2. Magnetic Modulations

✗ 3. Magnetic Shifts

✔ 4. Magnetic Variations

Question ID : **630680322950**
Option 1 ID : **6306801256334**
Option 2 ID : **6306801256336**
Option 3 ID : **6306801256335**
Option 4 ID : **6306801256333**
Status : **Not Answered**
Chosen Option : **--**

Q.10 What is the method of reducing levels using the Height of Instrument (HI)?

Ans ✗ 1. Barometric leveling

✔ 2. The collimation system

✗ 3. Rise and fall leveling

✗ 4. Hypsometric leveling

Question ID : **630680322971**
Option 1 ID : **6306801256420**
Option 2 ID : **6306801256417**
Option 3 ID : **6306801256419**
Option 4 ID : **6306801256418**
Status : **Answered**
Chosen Option : **2**

Q.11 What is the purpose of Anallactic lens in a tacheometer

Ans ✗ 1. To make the multiplying constant zero

✗ 2. To make the additive constant one

✗ 3. To make the multiplying constant one

✔ 4. To make the additive constant zero

Question ID : **630680322978**
Option 1 ID : **6306801256448**
Option 2 ID : **6306801256445**
Option 3 ID : **6306801256446**
Option 4 ID : **6306801256447**
Status : **Answered**
Chosen Option : **4**

Q.12 What should you do if you encounter a surveying team member who experiences heat exhaustion symptoms while working in the field?

Ans ✗ 1.

Continue working and ignore the symptoms until they improve.

✗ 2. Administer pain medication to alleviate discomfort.

✗ 3. Provide them with a chilled ice beverage immediately.

✓ 4.

Have them take a break in the shade and drink plenty of water.

Question ID : **630680322928**
Option 1 ID : **6306801256248**
Option 2 ID : **6306801256247**
Option 3 ID : **6306801256245**
Option 4 ID : **6306801256246**
Status : **Answered**
Chosen Option : **4**

Q.13 The distance from the geoid surface to the ground surface is known as:

Ans ✗ 1. Height of instrument

✗ 2. Ellipsoidal height

✗ 3. Geodetic height

✓ 4. Orthometric height

Question ID : **630680322987**
Option 1 ID : **6306801256484**
Option 2 ID : **6306801256482**
Option 3 ID : **6306801256483**
Option 4 ID : **6306801256481**
Status : **Answered**
Chosen Option : **3**

Q.14 What is an advantage of using an Auto level in surveying?

Ans

✔ 1. Quick setup and leveling

✘ 2. Requires minimal training

✘ 3. High accuracy

✘ 4. Suitable for small-scale surveys

Question ID : **630680322965**
Option 1 ID : **6306801256394**
Option 2 ID : **6306801256396**
Option 3 ID : **6306801256393**
Option 4 ID : **6306801256395**
Status : **Answered**
Chosen Option : **1**

Q.15 In compass surveying, which of the following is NOT a type of personal error?

Ans

✔ 1. Local attraction

✘ 2. Carelessness in reading

✘ 3. Inaccurate centering

✘ 4. Inaccurate bisection

Question ID : **630680322952**
Option 1 ID : **6306801256342**
Option 2 ID : **6306801256343**
Option 3 ID : **6306801256341**
Option 4 ID : **6306801256344**
Status : **Answered**
Chosen Option : **1**

Q.16 The details pertaining to a fixed hair stadia method of tacheometry are as follows:

Focal length of the theodolite telescope (f): 100 mm

Distance of instrument center and object lens (d) is 1 mm

Stadia intercept on the vertical crosshair (s): 2.5 mm

Horizontal distance to the staff (D): 50 m

Staff intercept (s): 1.6 m

Find the ratio of multiplying constant to the additive constant (m) of the tacheometer.

Ans ✗ 1. 100.01 m^{-1}

✓ 2. 396.01 m^{-1}

✗ 3. 150.06 m^{-1}

✗ 4. 990.09 m^{-1}

Question ID : 630680322980
Option 1 ID : 6306801256453
Option 2 ID : 6306801256455
Option 3 ID : 6306801256456
Option 4 ID : 6306801256454
Status : **Not Answered**
Chosen Option : **--**

Q.17 A measurement was recorded as 150 m with a 30-m tape that was only 29.9 m under standard conditions. What is the corrected measurement?

Ans ✗ 1. 149.25 m

✗ 2. 149.75 m

✗ 3. 149.65 m

✓ 4. 149.5 m

Question ID : 630680322936
Option 1 ID : 6306801256280
Option 2 ID : 6306801256278
Option 3 ID : 6306801256277
Option 4 ID : 6306801256279
Status : **Not Answered**
Chosen Option : **--**

Q.18 Which of the following is True about Tacheometric constants?

Ans ✗ 1.

Additive and multiplicative constants depend on the staff intercept.

✓ 2.

Additive and multiplicative constants are functions of the focal length of the object lens.

✗ 3.

Additive and multiplicative constants depend on the distance between stadia hairs.

✗ 4.

Additive and multiplicative constants have dimensions of length.

Question ID : **630680322976**
Option 1 ID : **6306801256440**
Option 2 ID : **6306801256438**
Option 3 ID : **6306801256439**
Option 4 ID : **6306801256437**
Status : **Answered**
Chosen Option : **2**

Q.19 The following statements (S1, S2, S3) pertain to checks in a closed traverse theodolite survey.

S1 : The sum of measured interior angles should be equal to (2 N + 4) right angles, where N is the number of sides of the traverse.

S2 : If the exterior angles are measured, their sum should be equal to (2 N - 4) right angles, where N is the number of sides of the traverse.

S3 : The algebraic sum of deflection angles shall be equal to 360 degrees, taking right hand deflection angles as positive and left hand deflection angles as negative.

Identify the Incorrect statement(s).

Ans
  ✗ 1. S1 only
  ✗ 2. S2 only
  ✗ 3. S3 only
  ✓ 4. S1 and S2 only

Question ID : **630680322961**
Option 1 ID : **6306801256377**
Option 2 ID : **6306801256380**
Option 3 ID : **6306801256379**
Option 4 ID : **6306801256378**
Status : **Answered**
Chosen Option : **3**

Q.20 In tacheometry, if the staff intercept is 2.5 meters and the focal length of object lens is 150 mm & distance between the stadia marks is 1 mm. The distance of instrument center and object lens is 10 mm. What is the horizontal distance?

Ans
  ✗ 1. 250.01 m
  ✗ 2. 600.00 m
  ✗ 3. 325.25 m
  ✓ 4. 375.16 m

Question ID : **630680322977**
Option 1 ID : **6306801256443**
Option 2 ID : **6306801256444**
Option 3 ID : **6306801256441**
Option 4 ID : **6306801256442**
Status : **Not Answered**
Chosen Option : **--**

Q.21 For a simple circular curve of radius 200 m, the tangent length is 150 meters. What is the deflection angle of the curve (in degrees)?

Ans

✔ 1. $2 \tan^{-1} (0.75)$

✘ 2. $\sec^{-1} (0.75)$

✘ 3. $2 \sin^{-1} (0.75)$

✘ 4. $\tan^{-1} (0.75)$

Question ID : 630680322995
Option 1 ID : 6306801256516
Option 2 ID : 6306801256514
Option 3 ID : 6306801256513
Option 4 ID : 6306801256515
Status : **Not Answered**
Chosen Option : **--**

Q.22 With reference to the alignment of a new railway line, identify the method which does not belong to the mountain alignment method.

Ans

✘ 1. Switch back method

✘ 2. Zigzag method

✘ 3. Complete loop method

✔ 4. Steepest ascent method

Question ID : 630680323005
Option 1 ID : 6306801256554
Option 2 ID : 6306801256553
Option 3 ID : 6306801256556
Option 4 ID : 6306801256555
Status : **Answered**
Chosen Option : **2**

Q.23 The incorrect statement in terms of free hand sketching is?

Ans ✔ 1. French curves can be used for free hand sketching

✘ 2. Sketching is always done freehand

✘ 3. A freehand drawing made in correct proportions

✘ 4.
Free hand sketching is the process in which a designer records his ideas initially in the form of sketches which are later converted into Drawings

Question ID : **630680322935**
Option 1 ID : **6306801256276**
Option 2 ID : **6306801256274**
Option 3 ID : **6306801256275**
Option 4 ID : **6306801256273**
Status : **Answered**
Chosen Option : **1**

Q.24 In compass surveying, what is the difference between a whole circle bearing and a reduced bearing?

Ans ✘ 1.
A whole circle bearing is measured counterclockwise from the north direction, while a reduced bearing is measured clockwise from the south direction.

✘ 2.
A whole circle bearing is measured counterclockwise from the north direction, while a reduced bearing is measured clockwise from the south direction, with a reference to the true north.

✘ 3.
A whole circle bearing is measured either clockwise/counterclockwise from the north direction, while a reduced bearing is measured counterclockwise from the south direction.

✔ 4.
A whole circle bearing is measured clockwise from the north direction, while a reduced bearing is measured either clockwise/anticlockwise from the south or the north direction.

Question ID : **630680322949**
Option 1 ID : **6306801256331**
Option 2 ID : **6306801256332**
Option 3 ID : **6306801256330**
Option 4 ID : **6306801256329**
Status : **Answered**
Chosen Option : **4**

Q.25 Which instrument is commonly used to orient the plane table with respect to magnetic north?

Ans ✗ 1. Abney level

✓ 2. Trough compass

✗ 3. Alidade

✗ 4. Plumb bob

Question ID : **630680322953**
Option 1 ID : **6306801256348**
Option 2 ID : **6306801256347**
Option 3 ID : **6306801256345**
Option 4 ID : **6306801256346**
Status : **Answered**
Chosen Option : **2**

Q.26 Theodolites equipped with electronic distance measurement (EDM) devices are commonly used for:

Ans ✗ 1. Tacheometric surveying

✗ 2. Plane table surveying

✓ 3. Geodetic control surveying

✗ 4. Trigonometric leveling

Question ID : **630680322964**
Option 1 ID : **6306801256391**
Option 2 ID : **6306801256389**
Option 3 ID : **6306801256392**
Option 4 ID : **6306801256390**
Status : **Answered**
Chosen Option : **1**

Q.27 In chain surveying, _____ is used for checking the accuracy of work as well as for locating the details of objects like buildings and path ways.

Ans
✗ 1. base lines

✗ 2. main lines

✗ 3. proof lines

✓ 4. tie lines

Question ID : **630680322940**
Option 1 ID : **6306801256293**
Option 2 ID : **6306801256294**
Option 3 ID : **6306801256296**
Option 4 ID : **6306801256295**
Status : **Answered**
Chosen Option : **4**

Q.28 A 30 m long tape is held between two supports under a tension of 120 N. If the tape weights 12 N, find the horizontal distance between the supports?

Ans
✓ 1. 29.9875 m

✗ 2. 29.8795 m

✗ 3. 29.7895 m

✗ 4. 29.8975 m

Question ID : **630680322942**
Option 1 ID : **6306801256301**
Option 2 ID : **6306801256302**
Option 3 ID : **6306801256304**
Option 4 ID : **6306801256303**
Status : **Not Answered**
Chosen Option : **--**

Q.29 Which classification of rocks is primarily formed through the alteration of existing rocks by heat and pressure?

Ans
- ✗ 1. Igneous rocks
- ✗ 2. Sedimentary rocks
- ✓ 3. Metamorphic rocks
- ✗ 4. Volcanic rocks

Question ID : **630680322988**
Option 1 ID : **6306801256485**
Option 2 ID : **6306801256486**
Option 3 ID : **6306801256487**
Option 4 ID : **6306801256488**
Status : **Answered**
Chosen Option : **2**

Q.30 In the plotting of a closed traverse according to field measurements, the end point of the traverse may not coincide exactly with the starting point, due to errors in field measurements of angles and distances. The error is known as _____.

Ans
- ✗ 1. Instrumental error
- ✗ 2. Gross error
- ✗ 3. Magnetic error
- ✓ 4. Closing error

Question ID : **630680322946**
Option 1 ID : **6306801256320**
Option 2 ID : **6306801256317**
Option 3 ID : **6306801256318**
Option 4 ID : **6306801256319**
Status : **Answered**
Chosen Option : **4**

Q.31 In chain surveying, if the ends of the chain line are not intervisible, due to an obstacle. The obstacle may be categorized as:

    (A) Obstacles to Ranging
    (B) Obstacles to chaining

Ans

  ✗ 1. Both (A) & (B)

  ✗ 2. Only (B)

  ✗ 3. Neither (A) nor (B)

  ✓ 4. Only (A)

Question ID : 630680322937
Option 1 ID : 6306801256283
Option 2 ID : 6306801256282
Option 3 ID : 6306801256284
Option 4 ID : 6306801256281
Status : **Answered**
Chosen Option : **2**

Q.32 What is the purpose of establishing a benchmark in surveying?

Ans

  ✓ 1. To provide a reference point for elevation measurements

  ✗ 2. To locate buried utilities

  ✗ 3. To determine the direction of true north

  ✗ 4. To measure horizontal angles

Question ID : 630680322983
Option 1 ID : 6306801256468
Option 2 ID : 6306801256466
Option 3 ID : 6306801256467
Option 4 ID : 6306801256465
Status : **Answered**
Chosen Option : **1**

Q.33 The operation of taking levels along the centre line of any alignment is known as:

Ans ✗ 1. Cross-sectional leveling

✔ 2. Profile leveling

✗ 3. Check leveling

✗ 4. Differential leveling

Question ID : **630680322969**
Option 1 ID : **6306801256411**
Option 2 ID : **6306801256409**
Option 3 ID : **6306801256410**
Option 4 ID : **6306801256412**
Status : **Answered**
Chosen Option : **2**

Q.34 In plane table surveying, for setting up the plane table at a station, the steps to be done in sequence are:

Ans ✗ 1. Centering => Leveling => Orientation

✔ 2. Leveling=> Centering=> Orientation

✗ 3. Orientation => Leveling=> Centering

✗ 4. Leveling=> Orientation=> Centering

Question ID : **630680322956**
Option 1 ID : **6306801256357**
Option 2 ID : **6306801256358**
Option 3 ID : **6306801256359**
Option 4 ID : **6306801256360**
Status : **Answered**
Chosen Option : **1**

Q.35 In surveying, what is the purpose of leveling?

Ans ✗ 1. To measure horizontal distances accurately

✔ 2. To determine accurate altitudes or elevations of points above a reference surface

✗ 3. To establish horizontal positions over flat surface

✗ 4. To calculate area of close traverse

Question ID : **630680322982**
Option 1 ID : **6306801256461**
Option 2 ID : **6306801256463**
Option 3 ID : **6306801256462**
Option 4 ID : **6306801256464**
Status : **Answered**
Chosen Option : **2**

Q.36 What is the purpose of georeferencing in GIS applications?

Ans ✗ 1. For Calculating geostatistical analysis

✗ 2. For digitizing paper maps into a digital format

✗ 3. For Acquiring real-time GPS data

✔ 4. To orient the spatial relationship of an object to the earth

Question ID : **630680323003**
Option 1 ID : **6306801256547**
Option 2 ID : **6306801256546**
Option 3 ID : **6306801256548**
Option 4 ID : **6306801256545**
Status : **Answered**
Chosen Option : **4**

Q.37 Which method of surveying involves dividing a large area into smaller triangles for more accurate measurements?

Ans
✗ 1. Traverse surveying

✗ 2. Remote sensing surveying

✗ 3. Photogrammetric surveying

✓ 4. Triangulation surveying

Question ID : **630680322984**
Option 1 ID : **6306801256469**
Option 2 ID : **6306801256472**
Option 3 ID : **6306801256471**
Option 4 ID : **6306801256470**
Status : **Answered**
Chosen Option : **4**

Q.38 Which of the following is NOT a primary purpose of surveying in civil engineering?

Ans
✗ 1. Prepare topographic map of land surface of the earth

✗ 2. Establishing control points

✗ 3. Determining property boundaries

✓ 4. Designing structural elements

Question ID : **630680322927**
Option 1 ID : **6306801256242**
Option 2 ID : **6306801256244**
Option 3 ID : **6306801256241**
Option 4 ID : **6306801256243**
Status : **Answered**
Chosen Option : **4**

Q.39 In differential leveling, what is fly leveling?

Ans ✗ 1. The process of leveling without a tripod

✔ 2.
To connect a benchmark to the starting point of the alignment of the project

✗ 3. Leveling performed with a helicopter

✗ 4. A method used to measure vertical distances

Question ID : **630680322967**
Option 1 ID : **6306801256404**
Option 2 ID : **6306801256402**
Option 3 ID : **6306801256401**
Option 4 ID : **6306801256403**
Status : **Answered**
Chosen Option : **2**

Q.40 In civil engineering drawings, what does a dashed line represent?

Ans ✔ 1. Hidden or invisible features

✗ 2. Construction lines

✗ 3. Dimension lines

✗ 4. Solid or visible features

Question ID : **630680322934**
Option 1 ID : **6306801256269**
Option 2 ID : **6306801256271**
Option 3 ID : **6306801256272**
Option 4 ID : **6306801256270**
Status : **Answered**
Chosen Option : **1**

Q.41 Which type of surveying method is commonly used for underwater mapping and exploration?

Ans
- ✔ 1. Hydrographic surveying
- ✘ 2. Astronomical surveying
- ✘ 3. Aerial surveying
- ✘ 4. Cadastral surveying

Question ID : **630680322986**
Option 1 ID : **6306801256477**
Option 2 ID : **6306801256479**
Option 3 ID : **6306801256480**
Option 4 ID : **6306801256478**
Status : **Answered**
Chosen Option : **1**

Q.42 What of the following relationship between the fundamental axes of a transit theodolite is incorrect?

Ans
- ✘ 1. line of collimation perpendicular to horizontal axis
- ✔ 2. Striding level perpendicular to horizontal axis
- ✘ 3. Horizontal axis perpendicular to vertical axis
- ✘ 4. Altitude level parallel to line of collimation

Question ID : **630680322959**
Option 1 ID : **6306801256371**
Option 2 ID : **6306801256369**
Option 3 ID : **6306801256372**
Option 4 ID : **6306801256370**
Status : **Answered**
Chosen Option : **1**

Q.43 Which type of curve is used to gradually introduce the superelevation in an upcoming horizontal circular curve?

Ans ✗ 1. Reverse curve

✗ 2. Compound curve

✗ 3. Simple curve

✓ 4. spiral curves

Question ID : **630680322990**
Option 1 ID : **6306801256495**
Option 2 ID : **6306801256494**
Option 3 ID : **6306801256493**
Option 4 ID : **6306801256496**
Status : **Answered**
Chosen Option : **2**

Q.44 The horizontal angle between the direction given by a magnetic compass needle and geographic north is called _____.

Ans ✗ 1. Magnetic inclination

✗ 2. Magnetic deviation

✗ 3. Magnetic convergence

✓ 4. Magnetic declination

Question ID : **630680322948**
Option 1 ID : **6306801256325**
Option 2 ID : **6306801256327**
Option 3 ID : **6306801256328**
Option 4 ID : **6306801256326**
Status : **Answered**
Chosen Option : **4**

Q.45 As per IS 1200 (Part 1) : 1992, earthwork excavation exceeding 1.5 m in width as well as _____ on plan, and _____ in depth shall be described as excavation over areas.

Ans ✗ 1. 30 m^2 and 400 mm

✗ 2. 15 m^2 and 150 mm

✗ 3. 10 m^2 and 100 mm

✓ 4. 10 m^2 and 300 mm

Question ID : 630680323002
Option 1 ID : 6306801256544
Option 2 ID : 6306801256542
Option 3 ID : 6306801256541
Option 4 ID : 6306801256543
Status : **Not Answered**
Chosen Option : **--**

Q.46 What is the purpose of a check line in chain surveying?

Ans ✗ 1. To establish a baseline for subsequent surveys

✗ 2. To determine the magnetic declination

✗ 3. To measure the height of landmarks

✓ 4. To check the accuracy of measurements in survey work

Question ID : 630680322944
Option 1 ID : 6306801256310
Option 2 ID : 6306801256312
Option 3 ID : 6306801256311
Option 4 ID : 6306801256309
Status : **Answered**
Chosen Option : **4**

Q.47 In automatic levels, _____ made of mirrors or prisms is built into the telescope tube and can be activated if the line of sight is horizontal within 15 to 30 minutes of the true horizontal.

Ans ✗ 1. Trivet stage

✔ 2. Compensator mechanism

✗ 3. Diaphragm adjustment mechanism

✗ 4. Tribrach mechanism

Question ID : **630680322966**
Option 1 ID : **6306801256399**
Option 2 ID : **6306801256397**
Option 3 ID : **6306801256400**
Option 4 ID : **6306801256398**
Status : **Answered**
Chosen Option : **3**

Q.48 Visual rays from the eye to the object converge to a point in the eye and are, therefore, inclined to the picture plane. The rays pierce the picture plane and form an image on it. This image is the _____ projection of the object.

Ans ✗ 1. Oblique

✗ 2. Isometric

✗ 3. Orthographic

✔ 4. Perspective

Question ID : **630680322933**
Option 1 ID : **6306801256268**
Option 2 ID : **6306801256266**
Option 3 ID : **6306801256265**
Option 4 ID : **6306801256267**
Status : **Answered**
Chosen Option : **1**

Q.49 In theodolite survey, azimuths from the back line are also called:

Ans ✔ 1. Direct angles

✘ 2. Bearings

✘ 3. Indirect angles

✘ 4. Deflection angles

Question ID : **630680322960**
Option 1 ID : **6306801256374**
Option 2 ID : **6306801256376**
Option 3 ID : **6306801256375**
Option 4 ID : **6306801256373**
Status : **Answered**
Chosen Option : **1**

Q.50 Which of the following is NOT a disadvantage of the plane table surveys?

Ans ✘ 1.
It is of great inconvenience if the map is required to be reproduced of a different scale.

✘ 2. It is not indented for very accurate work.

✔ 3. It is not useful in magnetic area.

✘ 4. It is inconvenient for rainy season.

Question ID : **630680322957**
Option 1 ID : **6306801256361**
Option 2 ID : **6306801256364**
Option 3 ID : **6306801256363**
Option 4 ID : **6306801256362**
Status : **Answered**
Chosen Option : **1**

Q.51 What is the major purpose of providing super elevation on a horizontal curve?

Ans

✗ 1. To improve visibility for drivers

✗ 2. To increase road capacity

✗ 3. To reduce fuel consumption

✓ 4. To overcome the effects of centrifugal force

Question ID : **630680322985**
Option 1 ID : **6306801256476**
Option 2 ID : **6306801256473**
Option 3 ID : **6306801256474**
Option 4 ID : **6306801256475**
Status : **Answered**
Chosen Option : **4**

Q.52 The following statements (S1, S2, and S3) are based on methods of traversing.

S1 : In traversing by Fast Needle method, the magnetic bearing of the lines are measured with reference to the direction of magnetic meridian established at the first station.

S2 : Traversing by included angles involves in measuring each angle directly from a backsight on the preceding station.

S3 : In traversing by included angle method, included angles can be measured either clockwise or counter-clockwise direction.

Choose the correct statement(s).

Ans

✗ 1. S1 and S2 only

✗ 2. S2 and S3 only

✗ 3. S1 only

✓ 4. S1, S2 and S3

Question ID : **630680323001**
Option 1 ID : **6306801256538**
Option 2 ID : **6306801256539**
Option 3 ID : **6306801256540**
Option 4 ID : **6306801256537**
Status : **Answered**
Chosen Option : **4**

Q.53 What is the primary disadvantage of tacheometry compared to other surveying methods?

Ans
✗ 1. It is time-consuming.

✗ 2. It requires specialized instruments.

✔ 3. It is less accurate for long distances.

✗ 4. It cannot be used in hilly terrains.

Question ID : **630680322981**
Option 1 ID : **6306801256458**
Option 2 ID : **6306801256457**
Option 3 ID : **6306801256459**
Option 4 ID : **6306801256460**
Status : **Answered**
Chosen Option : **2**

Q.54 In a simple curve, the radius is 300 meters, and the central angle is 45 degrees. What is the length of the curve? (Choose the nearest value)

Ans
✗ 1. 785.40 meters

✔ 2. 235.61 meters

✗ 3. 628.32 meters

✗ 4. 295.24 meters

Question ID : **630680322992**
Option 1 ID : **6306801256504**
Option 2 ID : **6306801256502**
Option 3 ID : **6306801256503**
Option 4 ID : **6306801256501**
Status : **Answered**
Chosen Option : **2**

Q.55 The following consecutive readings were taken with a levelling instrument at intervals of 20 m.

2.375, 1.730, 0.615, 3.450, 2.835, 2.070, 1.835, 0.985, 0.435, 1.630, 2.255 and 3.630

The instrument was shifted after the fourth and eighth readings. The last reading was taken on a BM of RL 110.200 m.
Find the RL of point no. 9.

Ans ✗ 1. 111.575 m

✓ 2. 113.395 m

✗ 3. 113.262 m

✗ 4. 112.310 m

Question ID : **630680322973**
Option 1 ID : **6306801256426**
Option 2 ID : **6306801256428**
Option 3 ID : **6306801256425**
Option 4 ID : **6306801256427**
Status : **Answered**
Chosen Option : **2**

Q.56 In an operation involving reciprocal levelling, two points A and B are taken on opposite banks of a river. When the level was set up near A, the staff readings on A and B were 2.245 and 3.375 respectively. When the level was set up near B, the respective staff readings were 1.955 and 3.055. What is the RL of B, if that of A is 125.550.

Ans ✗ 1. 125.045 m

✗ 2. 123.465 m

✓ 3. 124.435 m

✗ 4. 126.140 m

Question ID : **630680322970**
Option 1 ID : **6306801256414**
Option 2 ID : **6306801256415**
Option 3 ID : **6306801256416**
Option 4 ID : **6306801256413**
Status : **Not Answered**
Chosen Option : **--**

Q.57 In engineering drawings, what is the purpose of the title block?

Ans
✗ 1. To frame the drawing and make it visually appealing

✓ 2. Title block contains the identification of drawing

✗ 3. To enclose the margins and prevent smudging

✗ 4. To secure the drawing to the drawing board

Question ID : 630680322930
Option 1 ID : 6306801256254
Option 2 ID : 6306801256253
Option 3 ID : 6306801256255
Option 4 ID : 6306801256256
Status : **Answered**
Chosen Option : **2**

Q.58 Which instrument is commonly used to measure the slope of the ground surface in plane table surveys?

Ans
✗ 1. Photogrammetric camera

✗ 2. Laser scanner

✓ 3. Clinometer

✗ 4. Theodolite

Question ID : 630680322958
Option 1 ID : 6306801256367
Option 2 ID : 6306801256368
Option 3 ID : 6306801256365
Option 4 ID : 6306801256366
Status : **Answered**
Chosen Option : **3**

Q.59 A measure of the sharpness of the curve in case of simple circular curve is _____.

Ans ✔ 1. Degree of curve

✘ 2. Angular deviation

✘ 3. Bend severity

✘ 4. Curve deflection

Question ID : **630680322991**
Option 1 ID : **6306801256497**
Option 2 ID : **6306801256499**
Option 3 ID : **6306801256500**
Option 4 ID : **6306801256498**
Status : **Answered**
Chosen Option : **1**

Q.60 As per IS 9609 (Part 0) :2001, the ratio of stems of lower-case letters for type A and type B is?

Ans ✘ 1. 3/4

✘ 2. 9/10

✘ 3. 5/6

✔ 4. 20/21

Question ID : **630680322931**
Option 1 ID : **6306801256257**
Option 2 ID : **6306801256259**
Option 3 ID : **6306801256260**
Option 4 ID : **6306801256258**
Status : **Not Answered**
Chosen Option : **--**

Q.61 What is the limiting gradient for "Mountainous terrain, and steep terrain having elevation more than 3,000 m above the mean sea level" according to the Indian Road Congress (IRC:52 -2019)?

Ans ✗ 1. 1 in 14.3

✓ 2. 1 in 16.7

✗ 3. 1 in 20

✗ 4. 1 in 15

Question ID : 630680322996
Option 1 ID : 6306801256518
Option 2 ID : 6306801256519
Option 3 ID : 6306801256517
Option 4 ID : 6306801256520
Status : **Answered**
Chosen Option : **3**

Q.62 In traverse computation, the latitude departure method is used to calculate:

Ans ✗ 1. The azimuth of the traverse

✗ 2. The angular misclosure

✓ 3. The relative position of points

✗ 4. The total traverse length

Question ID : 630680322962
Option 1 ID : 6306801256383
Option 2 ID : 6306801256382
Option 3 ID : 6306801256384
Option 4 ID : 6306801256381
Status : **Answered**
Chosen Option : **2**

Q.63 A circular curve with a radius of 300 meters is designed for a road. The angle subtended by the curve is 60 degrees.
Calculate the ratio of length of the curve, to the long chord of the curve.

Ans ✗ 1. 0.947

✓ 2. 1.047

✗ 3. 0.955

✗ 4. 1.057

Question ID : **630680322998**
Option 1 ID : **6306801256528**
Option 2 ID : **6306801256527**
Option 3 ID : **6306801256526**
Option 4 ID : **6306801256525**
Status : **Not Answered**
Chosen Option : **--**

Q.64 What is the formula to calculate the external distance in a simple curve?

Ans ✗ 1. External distance = Radius × $\text{Sin}(\Delta)$

✗ 2. External distance = Radius × $(1 - \text{Cos}(\Delta))$

✓ 3. External distance = Radius × $[(1/\text{Cos}(\Delta/2)-1]$

✗ 4. External distance = Radius × $\text{Tan}(\Delta/2)$

Question ID : **630680322993**
Option 1 ID : **6306801256505**
Option 2 ID : **6306801256508**
Option 3 ID : **6306801256507**
Option 4 ID : **6306801256506**
Status : **Answered**
Chosen Option : **3**

Q.65 In indirect ranging, minimum number of ranging rods required is?

Ans
✗ 1. Five
✓ 2. Four
✗ 3. Two
✗ 4. Three

Question ID : **630680322941**
Option 1 ID : **6306801256300**
Option 2 ID : **6306801256299**
Option 3 ID : **6306801256297**
Option 4 ID : **6306801256298**
Status : **Answered**
Chosen Option : **2**

Q.66 As per IS1562:1962, graduated length of type C diagonal scale is:

Ans
✓ 1. 50 cm
✗ 2. 100 cm
✗ 3. 150 cm
✗ 4. 200 cm

Question ID : **630680322932**
Option 1 ID : **6306801256261**
Option 2 ID : **6306801256262**
Option 3 ID : **6306801256263**
Option 4 ID : **6306801256264**
Status : **Not Answered**
Chosen Option : **--**

Q.67 A roadway is being planned to accommodate vehicles traveling at a speed of 92 km/h. At a particular horizontal curve, it is known that the superelevation is 8.0% and the coefficient of side friction is 0.15. Calculate the minimum radius of the curve (measured along the path of travel) that will ensure safe operation of vehicles. (Give the answer round to the nearest integer)

Ans   ✗ 1.   158 m

       ✗ 2.   321 m

       ✓ 3.   290 m

       ✗ 4.   444 m

Question ID : **630680322989**
Option 1 ID : **6306801256491**
Option 2 ID : **6306801256489**
Option 3 ID : **6306801256490**
Option 4 ID : **6306801256492**
Status : **Not Answered**
Chosen Option : **--**

Q.68 The surveying solution technique of measuring only the sides of a triangle is called?

Ans   ✗ 1.   Triangulation

       ✗ 2.   Trilocation

       ✓ 3.   Trilateration

       ✗ 4.   Trisector positioning

Question ID : **630680322938**
Option 1 ID : **6306801256286**
Option 2 ID : **6306801256287**
Option 3 ID : **6306801256285**
Option 4 ID : **6306801256288**
Status : **Answered**
Chosen Option : **3**

Q.69 What is the error in plane table surveys caused by incorrect centering of the instrument over the station point? Where s is scale of the map, if the unit of precision in plotting is 0.25 mm.

Ans

✗ 1. $E = 0.025/s$ m

✔ 2. $E = 0.00025/s$ m

✗ 3. $E = 0.25/s$ m

✗ 4. $E = 0.0025/s$ m

Question ID : **630680322955**
Option 1 ID : **6306801256355**
Option 2 ID : **6306801256353**
Option 3 ID : **6306801256356**
Option 4 ID : **6306801256354**
Status : **Not Answered**
Chosen Option : **--**

Q.70 The magnetic bearing (MB) and declination (D) are given for the following three cases (C1, C2, C3) of compass survey.
In which of the cases, the computation of True bearing (TB) by the expression as : TB = MB + D , is valid.
C1 : MB = 48° ; D = 3° West
C2 : MB = 48° ; D = 3° East
C3 : MB = 148° ; D = 3° West

Ans

✗ 1. C1 and C3 only

✗ 2. C2 and C3 only

✔ 3. C2 only

✗ 4. C1 only

Question ID : **630680322945**
Option 1 ID : **6306801256316**
Option 2 ID : **6306801256315**
Option 3 ID : **6306801256314**
Option 4 ID : **6306801256313**
Status : **Not Answered**
Chosen Option : **--**

Q.71 What type of curve is formed when two simple circular curves with different radii that turn in the same direction, and join at common tangent point?

Ans ✗ 1. Simple curve

✗ 2. Transition curve

✗ 3. Spiral curve

✓ 4. Compound curve

Question ID : **630680322997**
Option 1 ID : **6306801256521**
Option 2 ID : **6306801256524**
Option 3 ID : **6306801256523**
Option 4 ID : **6306801256522**
Status : **Answered**
Chosen Option : **2**

Q.72 In theodolite traversing, the deflection angle is measured:

Ans ✗ 1.
It depends on the specific surveying project and the chosen convention.

✗ 2.
Always Clockwise from the preceding line to the current line.

✗ 3.
Always Counterclockwise from the preceding line to the current line.

✓ 4.
Either Clockwise or anticlockwise from the preceding line to the current line.

Question ID : **630680322963**
Option 1 ID : **6306801256388**
Option 2 ID : **6306801256385**
Option 3 ID : **6306801256386**
Option 4 ID : **6306801256387**
Status : **Answered**
Chosen Option : **2**

Q.73 The following statements (S1, S2) pertain to triangulation survey.

S1 : Among the three types of triangulation survey (Primary, Secondary and Tertiary), the average error in triangle of closure is the maximum for Primary triangulation.

S2 : The triangulation stations should be located such that no angle shall be less than 30° and more than 120°.

Validate the statements as True/False and choose the correct option.

Ans

✗ 1. S1 is True and S2 is False

✗ 2. Both S1 and S2 are False

✗ 3. Both S1 and S2 are True

✔ 4. S1 is False and S2 is True

Question ID : **630680322943**
Option 1 ID : **6306801256306**
Option 2 ID : **6306801256308**
Option 3 ID : **6306801256305**
Option 4 ID : **6306801256307**
Status : **Answered**
Chosen Option : **3**

Q.74 What does GIS stand for?

Ans

✗ 1. Geospatial Investigation System

✗ 2. Geological Information System

✔ 3. Geographic Information System

✗ 4. Geotechnical Information System

Question ID : **630680322999**
Option 1 ID : **6306801256532**
Option 2 ID : **6306801256531**
Option 3 ID : **6306801256530**
Option 4 ID : **6306801256529**
Status : **Answered**
Chosen Option : **3**

Q.75 The following are the bearings observed in traversing, with a compass, an area where local attraction was suspected.

AB (FB: 59°15' BB:239°00'),

BC (FB:139°30' BB:319°30'),

CD (FB:215°15', BB:35°15'),

DE (FB:208°00' BB:29°00'),

EA (FB:318°30' BB:138°45').

Which of the pair of stations is free from local attraction

Ans

✔ 1. Stations B & C

✘ 2. Stations A & B

✘ 3. Stations B & A

✘ 4. Stations E & D

Question ID : **630680322951**

Option 1 ID : **6306801256338**

Option 2 ID : **6306801256337**

Option 3 ID : **6306801256339**

Option 4 ID : **6306801256340**

Status : **Answered**

Chosen Option : **1**

Q.76 In architectural drawing, what is the purpose of a layout sheet?

Ans

✘ 1. To display different views of the building

✘ 2. To allocate space for the drawing and annotations

✔ 3. To provide a summary of the drawing's content

✘ 4. To showcase the final design of the project

Question ID : **630680322929**

Option 1 ID : **6306801256251**

Option 2 ID : **6306801256252**

Option 3 ID : **6306801256249**

Option 4 ID : **6306801256250**

Status : **Answered**

Chosen Option : **1**

Q.77 A simple curve with a radius of 210 meters has a deflection angle of 45 degrees. Calculate the length of curve corresponding to the central angle of the curve.

Ans
✔ 1. 165 m

✘ 2. 330 m

✘ 3. 225 m

✘ 4. 82.5 m

Question ID : **630680322994**
Option 1 ID : **6306801256512**
Option 2 ID : **6306801256509**
Option 3 ID : **6306801256510**
Option 4 ID : **6306801256511**
Status : **Not Answered**
Chosen Option : **--**

Q.78 Which method of plane table surveying is used for determining the plotted position of the station occupied by the plane table, by means of sights taken towards known points, locations of which have been plotted?

Ans
✘ 1. Traversing method

✘ 2. Intersection method

✔ 3. Resection method

✘ 4. Radiation method

Question ID : **630680322954**
Option 1 ID : **6306801256351**
Option 2 ID : **6306801256350**
Option 3 ID : **6306801256352**
Option 4 ID : **6306801256349**
Status : **Answered**
Chosen Option : **2**

Q.79 A plane perpendicular to the plumb line through the point is called:

Ans ✗ 1. Level Surface

✗ 2. Plumb level

✓ 3. Horizontal plane

✗ 4. Flat Level

Question ID : **630680322972**
Option 1 ID : **6306801256422**
Option 2 ID : **6306801256423**
Option 3 ID : **6306801256421**
Option 4 ID : **6306801256424**
Status : **Answered**
Chosen Option : **1**

Q.80 What is a reduced level?

Ans ✓ 1.
The vertical distance of a point above or below a specific datum level, such as mean sea level or a benchmark.

✗ 2.
The average elevation of all the points surveyed within the area.

✗ 3. Piezometric height of a point.

✗ 4. An imaginary level surface.

Question ID : **630680322968**
Option 1 ID : **6306801256406**
Option 2 ID : **6306801256407**
Option 3 ID : **6306801256408**
Option 4 ID : **6306801256405**
Status : **Answered**
Chosen Option : **1**

Section : **Reasoning**

Q.1 P, Q, R, S, T, U, W and X are sitting around a circle facing the center. X is fourth to the right of T, who is third to the right of U. P is to the immediate left of W. R is third to the right of S. S is fourth to the left of Q and is third to the right of T.

Who is third to the left of P?

Ans

✗ 1. Q

✔ 2. R

✗ 3. X

✗ 4. S

Question ID : **630680323007**
Option 1 ID : **6306801256563**
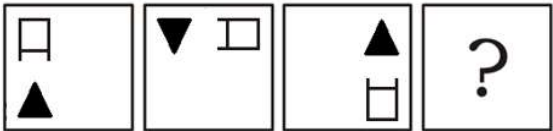Option 2 ID : **6306801256562**
Option 3 ID : **6306801256561**
Option 4 ID : **6306801256564**
Status : **Not Answered**
Chosen Option : **--**

Q.2 Select the figure from among the given options that can replace the question mark (?) in the following series.

Ans

✗ 1.

✗ 2.

✗ 3.

✔ 4.

Question ID : 630680323015
Option 1 ID : 6306801256593
Option 2 ID : 6306801256594
Option 3 ID : 6306801256595
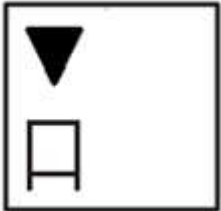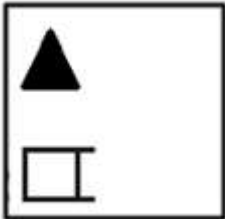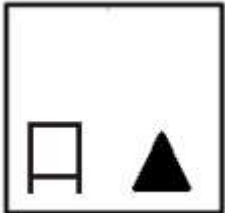Option 4 ID : 6306801256596
Status : **Answered**
Chosen Option : **4**

Q.3 In a certain code language, "TYRES" is coded as "BPOQV" and "DOZEN" is coded as "BKWAL". How will "NURSE" be coded in the same language?

Ans ✘ 1. POKBR

✘ 2. BRPOK

✔ 3. PBOKR

✘ 4. BROPK

Question ID : **630680323011**
Option 1 ID : **6306801256580**
Option 2 ID : **6306801256577**
Option 3 ID : **6306801256578**
Option 4 ID : **6306801256579**
Status : **Not Answered**
Chosen Option : **--**

Q.4 Pointing to a man, Himanshu said, " His son-in-law is husband of my sister." How is the man related to Himanshu?

Ans ✘ 1. Son

✘ 2. Father-in-law

✔ 3. Father

✘ 4. Brother

Question ID : **630680323012**
Option 1 ID : **6306801256583**
Option 2 ID : **6306801256584**
Option 3 ID : **6306801256581**
Option 4 ID : **6306801256582**
Status : **Answered**
Chosen Option : **2**

Q.5 Identify the term that does NOT belong to the following Alpha series.

LXD, HTZ, DPV, ZLR, VHN, REJ

Ans ✓ 1. REJ

✗ 2. HTZ

✗ 3. LXD

✗ 4. VHN

Question ID : 630680323010
Option 1 ID : 6306801256573
Option 2 ID : 6306801256574
Option 3 ID : 6306801256575
Option 4 ID : 6306801256576
Status : **Not Answered**
Chosen Option : **--**

Q.6 Select the number from among the given options that can replace the question mark (?) in the following series.

733, 724, 740, 715, 751, ?

Ans ✓ 1. 702

✗ 2. 700

✗ 3. 704

✗ 4. 705

Question ID : 630680323016
Option 1 ID : 6306801256599
Option 2 ID : 6306801256597
Option 3 ID : 6306801256598
Option 4 ID : 6306801256600
Status : **Answered**
Chosen Option : **1**

Q.7 Select the option that is related to the third word in the same way as the second word is related to the first word.

Summer : Aestivation :: Winter : ?

Ans ✗ 1. Photosynthesis

✓ 2. Hibernation

✗ 3. Germination

✗ 4. Transpiration

Question ID : **630680323014**
Option 1 ID : **6306801256590**
Option 2 ID : **6306801256589**
Option 3 ID : **6306801256591**
Option 4 ID : **6306801256592**
Status : **Not Answered**
Chosen Option : **--**

Q.8 Read the following information carefully and answer the question given below:

'Z % K' means 'Z is the daughter of K'.

'Z # K' means 'Z is the father of K'.

'Z & K' means 'Z is the wife of K'.

'Z = K' means 'Z is the son of K'.

'Z @ K' means 'Z is the brother of K'.

How is C related to G in the following expression G = D % E & B # C @ A?

Ans ✗ 1. Mother's father

✗ 2. Father's sister

✔ 3. Mother's brother

✗ 4. Father's mother

Q.9 An Alpha-numeric series is given with one term missing. Choose the correct option in place of the question mark and complete the series.

SWQ-35, PTN-50, MQK-70, JNH-95, GKE-125, ?

Ans ✗ 1. EHB-150

✓ 2. DHB-160

✗ 3. EHB-165

✗ 4. DHB-155

Question ID : **630680323009**
Option 1 ID : **6306801256570**
Option 2 ID : **6306801256571**
Option 3 ID : **6306801256572**
Option 4 ID : **6306801256569**
Status : **Answered**
Chosen Option : **2**

Q.10 In this question two statements are given. You have to consider the statements to be true even if they seem to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follows from the given statement.

Statements:

(A) All rivers are mountains.

(B) Some mountains are planets.

Conclusions:

I. Some planets are rivers.

II. No planet is river.

Ans ✗ 1. Only conclusion I follows.

✔ 2. Either conclusion I or II follows.

✗ 3. Neither conclusion I nor II follows.

✗ 4. Only conclusion II follows.

Section : **Quantitative Aptitude**

Q.1 Find the LCM of $\frac{5}{6}$, $\frac{3}{4}$, $\frac{7}{9}$, $\frac{11}{13}$:

Ans ✗ 1. 1159

✗ 2. 1142

✔ 3. 1155

✗ 4. 1158

Question ID : 630680323018
Option 1 ID : 6306801256608
Option 2 ID : 6306801256605
Option 3 ID : 6306801256606
Option 4 ID : 6306801256607
Status : **Not Answered**
Chosen Option : --

Q.2 Two metro trains started at the same time from two stations 300 km apart and going in opposite direction to cross each other at a distance of 180 km from one of the stations. What is the ratio of their speeds?

Ans ✗ 1. 2 : 1

✗ 2. 1 : 2

✗ 3. 1 : 3

✔ 4. 3 : 2

Question ID : 630680323024
Option 1 ID : 6306801256631
Option 2 ID : 6306801256630
Option 3 ID : 6306801256632
Option 4 ID : 6306801256629
Status : **Answered**
Chosen Option : **4**

Q.3 Three different vessels contain 528 liters, 486 liters and 658 liters of mixture of petrol and kerosene respectively. What largest measure can measure all the different quantities exactly.

Ans

✗ 1. 3

✗ 2. 4

✗ 3. 5

✔ 4. 2

Question ID : **630680323017**
Option 1 ID : **6306801256602**
Option 2 ID : **6306801256603**
Option 3 ID : **6306801256604**
Option 4 ID : **6306801256601**
Status : **Answered**
Chosen Option : **4**

Q.4 Difference of two numbers is 2040. If 6% of one number is 10% of the other number, find the two numbers.

Ans

✗ 1. 4800, 4200

✗ 2. 4900, 3060

✔ 3. 5100, 3060

✗ 4. 5200, 3060

Question ID : **630680323019**
Option 1 ID : **6306801256609**
Option 2 ID : **6306801256610**
Option 3 ID : **6306801256611**
Option 4 ID : **6306801256612**
Status : **Answered**
Chosen Option : **3**

Q.5 A, B and C are employed to do a piece of work for ₹420. A and B together are supposed to do $\frac{17}{21}$ of the work and B and C together $\frac{6}{21}$ of the work. What amount should A paid?

Ans
✗ 1. 250
✗ 2. 200
✗ 3. 325
✔ 4. 300

Question ID : **630680323025**
Option 1 ID : **6306801256634**
Option 2 ID : **6306801256633**
Option 3 ID : **6306801256636**
Option 4 ID : **6306801256635**
Status : **Not Answered**
Chosen Option : **--**

Q.6 If 60% of (p-q) = 20% of (p + q) then what percent of p in q is:

Ans
✗ 1. 55%
✗ 2. 60%
✗ 3. 45%
✔ 4. 50%

Question ID : **630680323020**
Option 1 ID : **6306801256615**
Option 2 ID : **6306801256616**
Option 3 ID : **6306801256613**
Option 4 ID : **6306801256614**
Status : **Answered**
Chosen Option : **4**

Q.7 A man sells an article at a profit of 20%. If he had bought it at 15% less than what he paid for it and sold it for ₹11 less, he would have gained 25%. Find the cost price of the article (in ₹):

Ans ✗ 1. 84

✗ 2. 82

✔ 3. 80

✗ 4. 85

Question ID : **630680323021**
Option 1 ID : **6306801256619**
Option 2 ID : **6306801256618**
Option 3 ID : **6306801256617**
Option 4 ID : **6306801256620**
Status : **Not Answered**
Chosen Option : **--**

Q.8 A wooden box is filled with cotton weighs 45 kgs. If the weight of the box and cotton are in the ratio 2 : 13, then find the weight of the cotton in grams.

Ans ✔ 1. 39000

✗ 2. 36000

✗ 3. 37000

✗ 4. 38000

Question ID : **630680323023**
Option 1 ID : **6306801256628**
Option 2 ID : **6306801256625**
Option 3 ID : **6306801256626**
Option 4 ID : **6306801256627**
Status : **Answered**
Chosen Option : **1**

Q.9 If the difference between the compound interest and simple interest on a certain sum of money for 3 years at 6% per annum is ₹54. Find the sum (Round off value)

Ans ✗ 1. 4900

✓ 2. 4902

✗ 3. 4904

✗ 4. 4905

Question ID : **630680323026**
Option 1 ID : **6306801256637**
Option 2 ID : **6306801256639**
Option 3 ID : **6306801256640**
Option 4 ID : **6306801256638**
Status : **Not Answered**
Chosen Option : **--**

Q.10 Ajay wants to sale his car for 30% of the original price. A showroom wide sale results in an additional reduction of 20%. What is the total discount based on the original price?

Ans ✗ 1. 43%

✗ 2. 42%

✗ 3. 45%

✓ 4. 44%

Question ID : **630680323022**
Option 1 ID : **6306801256622**
Option 2 ID : **6306801256621**
Option 3 ID : **6306801256624**
Option 4 ID : **6306801256623**
Status : **Not Answered**
Chosen Option : **--**

Section : **General Awareness**

Q.1 In which year the Child Marriage Restraint Act was passed without the kind of bitter debates and struggles that earlier laws had seen?

Ans ✗ 1. 1922

✗ 2. 1933

✓ 3. 1929

✗ 4. 1915

Question ID : **630680323028**
Option 1 ID : **6306801256646**
Option 2 ID : **6306801256648**
Option 3 ID : **6306801256645**
Option 4 ID : **6306801256647**
Status : **Not Answered**
Chosen Option : **--**

Q.2 Which of the following are the Fundamental Duties of every citizen of India.

(a) to develop the scientific temper, humanism and the spirit of inquiry and reform.
(b) to value and preserve the rich heritage of our composite culture
(c) to cherish and follow the noble ideals which inspired our national struggle for freedom;
(d) to practise any profession, or to carry on any occupation, trade or business.

Ans ✗ 1. (b), (c) and (d)

✗ 2. (a), (c) and (d)

✓ 3. (a), (b) and (c)

✗ 4. (a), (b) and (d)

Question ID : **630680323036**
Option 1 ID : **6306801256677**
Option 2 ID : **6306801256678**
Option 3 ID : **6306801256679**
Option 4 ID : **6306801256680**
Status : **Answered**
Chosen Option : **2**

Q.3 Which of the following is CORRECTLY matched?

Ans

✗ 1.

Type of vegetation	Example
Tropical Deciduous Forests	Rosewood
Tropical Evergreen Forests	Teakwood
The Thorn Forests and Scrubs	Acacias

✗ 2.

Type of vegetation	Example
Tropical Deciduous Forests	Acacias
Tropical Evergreen Forests	Rosewood
The Thorn Forests and Scrubs	Teakwood

✓ 3.

Type of vegetation	Example
Tropical Deciduous Forests	Teakwood
Tropical Evergreen Forests	Rosewood
The Thorn Forests and Scrubs	Acacias

✗ 4.

Type of vegetation	Example
Tropical Deciduous Forests	Teakwood
Tropical Evergreen Forests	Acacias
The Thorn Forests and Scrubs	Rosewood

Question ID : **630680323033**
Option 1 ID : **6306801256665**
Option 2 ID : **6306801256668**
Option 3 ID : **6306801256667**
Option 4 ID : **6306801256666**
Status : **Answered**
Chosen Option : **3**

Q.4 Articles 12 to 35 in Indian Constitution states about _____.

Ans ✗ 1. Judiciary

✓ 2. Fundamental Rights

✗ 3. Indian Political System

✗ 4. Fundamental Duties

Question ID : **630680323035**
Option 1 ID : **6306801256675**
Option 2 ID : **6306801256674**
Option 3 ID : **6306801256676**
Option 4 ID : **6306801256673**
Status : **Answered**
Chosen Option : **2**

Q.5 Who among the following helped Akbar in framing a vision of governance around this idea of sulh-i kul?

Ans ✗ 1. Rana Sanga

✗ 2. Khan Jahan

✓ 3. Abul Fazl

✗ 4. Todar Mal

Question ID : **630680323029**
Option 1 ID : **6306801256652**
Option 2 ID : **6306801256650**
Option 3 ID : **6306801256651**
Option 4 ID : **6306801256649**
Status : **Not Answered**
Chosen Option : **--**

Q.6 _____ team won the Ranji trophy in 2022-23.

Ans ✔ 1. Saurashtra

✘ 2. Karnataka

✘ 3. Bengal

✘ 4. Mumbai

Question ID : **630680323027**
Option 1 ID : **6306801256642**
Option 2 ID : **6306801256641**
Option 3 ID : **6306801256644**
Option 4 ID : **6306801256643**
Status : **Answered**
Chosen Option : **2**

Q.7 Which Article in the Indian constitution states that there shall be a Comptroller and Auditor General of India who shall be appointed by the President by warrant under his hand and seal and shall only be removed from office in like manner and on the like grounds as a Judge of the Supreme Court?

Ans ✔ 1. 148 (1)

✘ 2. 128 (1)

✘ 3. 158 (1)

✘ 4. 138 (1)

Question ID : **630680323034**
Option 1 ID : **6306801256670**
Option 2 ID : **6306801256672**
Option 3 ID : **6306801256671**
Option 4 ID : **6306801256669**
Status : **Answered**
Chosen Option : **1**

Q.8 How many types of Nada are there in Hindustani music?

Ans ✗ 1. Seven

✗ 2. Four

✓ 3. Two

✗ 4. Three

Question ID : **630680323031**
Option 1 ID : **6306801256660**
Option 2 ID : **6306801256659**
Option 3 ID : **6306801256657**
Option 4 ID : **6306801256658**
Status : **Answered**
Chosen Option : **1**

Q.9 Which of the following is the only large river in the Indian desert?

Ans ✓ 1. The Luni

✗ 2. The Chambal

✗ 3. The Mahi

✗ 4. The Banas

Question ID : **630680323032**
Option 1 ID : **6306801256661**
Option 2 ID : **6306801256662**
Option 3 ID : **6306801256664**
Option 4 ID : **6306801256663**
Status : **Not Answered**
Chosen Option : **--**

Q.10 Which of the following statements is CORRECT?

Ans ✔️ 1. The Sama-Veda into one thousand sections.

❌ 2. The Yajur-Veda into one hundred and seven sections.

❌ 3. The Atharva-Veda into forty sections.

❌ 4. The Rig-Veda is divided into twenty-two sections.

Question ID : **630680323030**
Option 1 ID : **6306801256655**
Option 2 ID : **6306801256654**
Option 3 ID : **6306801256656**
Option 4 ID : **6306801256653**
Status : **Not Answered**
Chosen Option : **--**

Section : **English Language**

Q.1 Select the option that correctly infers the meaning of the given sentence.

Although the wound was bleeding, he managed to drive to the hospital.

Ans ❌ 1. He drove despite the bleeding wound but could not reach the hospital.

❌ 2. He had to be admitted to the hospital as he was seriously injured.

✔️ 3. He was wounded, yet he managed to drive to the hospital himself.

❌ 4. He could not drive as he was wounded badly.

Question ID : **630680323042**
Option 1 ID : **6306801256703**
Option 2 ID : **6306801256704**
Option 3 ID : **6306801256701**
Option 4 ID : **6306801256702**
Status : **Answered**
Chosen Option : **3**

Q.2 **Fill in the blank with the correct option to complete the sentence below.**

Sonya has been honest _____ her colleagues do not trust her.

Ans   ✗ 1. when

   ✔ 2. but

   ✗ 3. for

   ✗ 4. hence

Question ID : **630680323038**
Option 1 ID : **6306801256687**
Option 2 ID : **6306801256686**
Option 3 ID : **6306801256685**
Option 4 ID : **6306801256688**
Status : **Answered**
Chosen Option : **2**

Q.3 **Select the correct option to substitute the given set of words.**
a person who is not sure if God exists or not:

Ans   ✗ 1. Theist

   ✗ 2. Atheist

   ✗ 3. Ecclesiast

   ✔ 4. Agnostic

Question ID : **630680323044**
Option 1 ID : **6306801256710**
Option 2 ID : **6306801256709**
Option 3 ID : **6306801256712**
Option 4 ID : **6306801256711**
Status : **Answered**
Chosen Option : **4**

Q.4   Fill in the blank with the correct option to complete the sentence below.

The rock music always _____ the crowd.

Ans   ✗ 1. puts away

   ✗ 2. opens up

   ✓ 3. turns on

   ✗ 4. falls back

Question ID : **630680323039**
Option 1 ID : **6306801256690**
Option 2 ID : **6306801256692**
Option 3 ID : **6306801256689**
Option 4 ID : **6306801256691**
Status : **Answered**
Chosen Option : **2**

Q.5   One part of the following sentence has an error. Find the part which has the error.

The government declared that all those who violates traffic rules would be taken to task and punished severely.

Ans   ✗ 1. taken to task and

   ✓ 2. that all those who violates

   ✗ 3. punished severely

   ✗ 4. traffic rules would be

Question ID : **630680323040**
Option 1 ID : **6306801256695**
Option 2 ID : **6306801256693**
Option 3 ID : **6306801256696**
Option 4 ID : **6306801256694**
Status : **Answered**
Chosen Option : **3**

Q.6 Rearrange the given sentences in the proper sequence to form a coherent paragraph.

A. They are a good source of complex carbohydrates, dietary fiber, and certain vitamins and minerals.
B. From a nutrition perspective, potatoes can be a healthy addition to your balanced diet.
C. So is it really healthy for the body?
D. Being a part of many fried foods, potatoes have been considered to increase weight as the, are high in fat content.
E. In the world of nutrition, the potato has been quite a controversial vegetable.

Ans ✗ 1. CDAEB

✔ 2. EDCBA

✗ 3. EABCD

✗ 4. ABCDE

Question ID : **630680323043**
Option 1 ID : **6306801256708**
Option 2 ID : **6306801256705**
Option 3 ID : **6306801256706**
Option 4 ID : **6306801256707**
Status : **Answered**
Chosen Option : **3**

Q.7 Select the option that correctly infers the meaning of the given sentence.

Because of the negligence of some staff member, the godown was gutted by fire.

Ans ✗ 1. Some staff member was alert and that saved the destruction of the godown.

✗ 2. The godown was gutted by fire intentionally.

✗ 3. Some staff member set fire to the godown.

✔ 4. Some staff member was careless and that caused the destruction of the godown.

Question ID : **630680323041**
Option 1 ID : **6306801256697**
Option 2 ID : **6306801256700**
Option 3 ID : **6306801256699**
Option 4 ID : **6306801256698**
Status : **Answered**
Chosen Option : **4**

Q.8 Select the correct option to substitute the given set of words.
a person who first advocates an important belief or practice:

Ans ✗ 1. Autocrat

✗ 2. Demagogue

✓ 3. Apostle

✗ 4. Heeler

Question ID : **630680323045**
Option 1 ID : **6306801256713**
Option 2 ID : **6306801256714**
Option 3 ID : **6306801256715**
Option 4 ID : **6306801256716**
Status : **Not Answered**
Chosen Option : **--**

Q.9 Select the antonym of the underlined word in the sentence.

We felt <u>exhilarated</u> by the witty speech of our professor.

Ans ✗ 1. provoked

✗ 2. ecstatic

✓ 3. depressed

✗ 4. inspired

Question ID : **630680323046**
Option 1 ID : **6306801256717**
Option 2 ID : **6306801256718**
Option 3 ID : **6306801256720**
Option 4 ID : **6306801256719**
Status : **Answered**
Chosen Option : **4**

Q.10 Fill in the blank with the correct option to complete the sentence below.

She prefers coffee _____ tea.

Ans ✗ 1. than

✗ 2. by

✗ 3. for

✓ 4. to

Question ID : **630680323037**
Option 1 ID : **6306801256683**
Option 2 ID : **6306801256684**
Option 3 ID : **6306801256682**
Option 4 ID : **6306801256681**
Status : **Answered**
Chosen Option : **4**