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Notations :

- Options shown in **green** color and with  icon are correct.
- Options shown in **red** color and with  icon are incorrect.

Question Paper Name :	PaperIIConcernedSubjectTP 18th August 2023 Shift 2
Subject Name :	Paper II Concerned Subject TP
Actual Answer Key :	Yes
Calculator :	None
Magnifying Glass Required? :	No
Ruler Required? :	No
Eraser Required? :	No
Scratch Pad Required? :	No
Rough Sketch/Notepad Required? :	No
Protractor Required? :	No
Show Watermark on Console? :	Yes
Highlighter :	No
Auto Save on Console?	Yes
Change Font Color :	No
Change Background Color :	No
Change Theme :	No
Help Button :	No
Show Reports :	No
Show Progress Bar :	No
Is this Group for Examiner? :	No
Examiner permission :	Cant View
Show Progress Bar? :	No

Paper II Concerned Subject TP

Section type :	Online
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Maximum Instruction Time :	0
Is Section Default? :	null





Question Number : 1 Question Id : 630680311426 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Single stroke letters are of two types (Identify the correct statement)

- Vertical and horizontal.
- The size of the Single-stroke letter is described by height.
- According to height, lettering is classified as Lettering "A" & "B"

Options :

-  Only i is correct
-  Only ii is correct
-  Only iii is correct
-  i, ii & iii are correct

Question Number : 2 Question Id : 630680311427 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Identify which of the following statement/s is/are correct in lettering B.

- The height of the capital letter is divided into 10 parts.
- The height of the letters and numerals for engineering drawing can be anything.
- The ratio of height to width varies but in case of most of the letters it is 6: 5.

Options :

1. ✘ Only i is correct
2. ✘ Only i & ii are correct
3. ✔ Only i & iii are correct
4. ✘ i, ii & iii are correct

Question Number : 3 Question Id : 630680311428 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

The lettering of drawings is generally written in various sizes as per nomenclature. Find the correct match the following:

I. Main title	A. 3 mm to 5 mm
II. Subtitles	B. 6 mm to 8 mm
III. Dimension figures	C. 3 mm to 6 mm
IV. Title block	D. 10 mm to 12 mm

Options :

1. ✘ I-A, II-B, III - C, IV-D
2. ✔ I-B, II-C, III-A, IV-D
3. ✘ I-C, II-B, III-D, IV-A
4. ✘ I-D, II-A, III-B, IV-C

Question Number : 4 Question Id : 630680311429 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Which statement is/are correct?

- i. In the stems of single-stroke gothic letters, the thickness of the stem may vary from 1/5 to 1/10 of the height of the letters.
- ii. Stems of single-stroke letters, if given more thickness, form what are known as gothic letters.
- iii. Gothic letters are mostly used for main titles of ink-drawings.

Options :

1. ✘ Only i
2. ✘ Only ii
3. ✔ Only iii
4. ✘ i, ii & iii

Question Number : 5 Question Id : 630680311430 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Which of the following statement/s is/are correct for Lettering?

- i. In Lettering B, the thickness of the lines represented as 'd' is derived as $1/10th \times h$ where 'h' is the height of the letter.
- ii. All letters should be uniform in shape, slope, size, shade and spacing.
- iii. The shade of every letter must be the same as that of the outlines of drawings, i.e., intensely brown

Options :

1. ✘ Only i
2. ✔ Only i & ii
3. ✘ Only ii
4. ✘ Only iii

Question Number : 6 Question Id : 630680311431 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Match the following and find the correct option:

I. Dimension line	A. Thin continuous line drawn in extension of outline
II. Extension line	B. Placed at the end of dimension line
III Arrowhead	C. Thin continuous line terminates at arrowhead.

Options :

1. ✘ I-A, II-B, III-C
2. ✘ I-B, II-C, III-A
3. ✔ I-C, II-A, III-B
4. ✘ I-A, II-C, III-B

Question Number : 7 Question Id : 630680311432 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Which of the following statement/s is/are correct?

- i. A leader or a pointer is a thick continuous line.
- ii. The leader of a line is drawn at a convenient angle of not less than 30° to the line to which it touches.
- iii. It is not important to draw leader of a line.

Options :

1. ✘ Only i
2. ✔ Only ii
3. ✘ Only iii
4. ✘ ii & iii both holds good

Question Number : 8 Question Id : 630680311433 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

In the _____ system the dimension is placed perpendicular to the dimension line in such a way that it may be read from the bottom edge or the right-hand edge of the drawing sheet.

Options :

1. ✔ Aligned
2. ✘ Unidirectional
3. ✘ Linear
4. ✘ Diametral

Question Number : 9 Question Id : 630680311434 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

The nominal size of the lettering is defined by the height (h) of the outline contour of the upper-case (capital) letters. Which of the following is **not** a range of nominal sizes as specified by ISO 3098-0

Options :

1. ✘ 1.8 mm
2. ✘ 2.5 mm
3. ✔ 3.0 mm
4. ✘ 3.5 mm

Question Number : 10 Question Id : 630680311435 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Which of the following statement/s is/are correct?

- i. An angle whose measure is more than 0° but less than 90° is called an Acute angle.
- ii. An angle whose measure is more than 90° but less than 180° is called an Obtuse angle.
- iii. An angle whose measure is 90° is called a Right angle.

Options :

1. ✘ Only i
2. ✘ Only ii
3. ✘ Only ii & iii
4. ✔ All i, ii, and iii are correct

Question Number : 11 Question Id : 630680311436 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Find the measure of an angle that is 24° more than its complement.

Options :

1. ✘ 27°
2. ✘ 37°
3. ✘ 47°
4. ✔ 57°

Question Number : 12 Question Id : 630680311437 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Which of the following statement/s is/are correct?

- i. A plane figure bounded by four-line segments is called a Quadrilateral.
- ii. A plane figure bounded by five-line segments is called a Pentagon.
- iii. A Plane figure bounded by three sides is called an Obtuse angle

Options :

1. ✘ Only i
2. ✘ Only ii
3. ✔ Both i & ii
4. ✘ Both ii & iii

Question Number : 13 Question Id : 630680311438 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Three angles of a quadrilateral measure 110° , 82° , and 68° . Find the measure of the fourth angle.

Options :

1. ✘ 90°
2. ✔ 100°
3. ✘ 110°
4. ✘ 120°

Question Number : 14 Question Id : 630680311439 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

A quadrilateral in which two pairs of adjacent sides are equal is called a

Options :

1. ✘ square
2. ✘ rhombus
3. ✘ trapezium
4. ✔ kite

Question Number : 15 Question Id : 630680311440 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Which of the following statement/s is/are correct?

- i. When the circle rolls inside another circle, the curve is called a hypotrochoid.
- ii. In hypotrochoid the curve is termed inferior or superior, according to the position of the point inside or outside the rolling circle.
- iii. Epitrochoid is a curve generated by a point fixed to a circle (within or outside its circumference, but in the same plane) rolling on the outside of another circle.

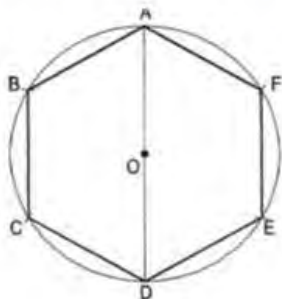
Options :

1. ✘ Only i
2. ✘ Only iii
3. ✘ Both i & ii
4. ✔ i, ii & iii

Question Number : 16 Question Id : 630680311441 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

The figure shows a polygon inscribed in a circle. Identify the polygon.



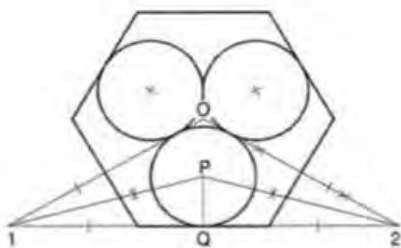
Options :

1. ✘ pentagon
2. ✔ hexagon
3. ✘ heptagon
4. ✘ octagon

Question Number : 17 Question Id : 630680311442 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

If the response to the construction of a regular polygon has the response as shown in the figure, which one of the following statements is correct?



Options :

1. ✘ To draw in a given circle, any number of equal circles, say four, each touching the given circle and two of the other circles
2. ✘ To draw outside a given regular polygon, the same number of equal circles as the sides of the polygon, each circle one side and two of the other circles
3. ✔ To draw in a given regular hexagon, three equal circles, each touching one side and two other circles
4. ✘ To draw in a regular polygon, the same number of equal circles as the sides of the polygon, each circle touching two adjacent sides of the polygon and two of the other circles

Question Number : 18 Question Id : 630680311443 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

To inscribe a circle in a regular polygon of any number of sides, say a pentagon, the following steps were performed.

Let ABCDE be the Pentagon.

- i. Bisect any two angles by lines intersecting each other at O.
- ii. From O, draw a perpendicular to any one side of the pentagon cutting it at P.
- iii. With center P and radius OP, draw the required circle.

Which of the following steps are correct to inscribe the circle in the pentagon?

Options :

1. ✘ Only (i)
2. ✔ Only (i) & (ii)

3. ✖ Only (i) & (iii)
4. ✖ Only (ii) & (ii)

Question Number : 19 Question Id : 630680311444 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Identify the correct option for First angle projection.

- i. The object is kept in the first quadrant.
- ii. The object lies between the observer and the plane or projection.
- iii. This method of projection is now recommended by the "Bureau of Indian Standards

Options :

1. ✖ Only i
2. ✖ Only iii
3. ✖ Both i & ii and not iii
4. ✔ i, ii & iii

Question Number : 20 Question Id : 630680311445 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

The two planes employed for the purpose of orthographic projections are called

Options :

1. ✖ Picture plane
2. ✔ Reference plane
3. ✖ Frontal plane
4. ✖ Vertical plane

Question Number : 21 Question Id : 630680311446 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Match the following and find the correct pair of quadrants.

i. First quadrant	A. Above HP, Infront of VP
ii. Second quadrant	B. Above HP, Behind VP
iii. Third quadrant	C. Below HP, behind VP
iv. Fourth quadrant	D. Below HP Infront of VP

Options :

1. ✔ I-A, II-B, III-C, IV-D
2. ✖ I-B, II-A, III-C, IV-D
3. ✖ I-C, II-C, III-D, IV-A
4. ✖ I-D, II-D, III-B, IV-A

Question Number : 22 Question Id : 630680311447 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Parallel or central projection on a single projection plane giving a three-dimensional image of an object.

Options :

1. ✔ pictorial representation
2. ✖ true view
3. ✖ exploded view:
4. ✖ principal view

Question Number : 23 Question Id : 630680311448 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

In _____, the view seen from above the object is placed on the same side of (i.e. above) the front view.

Options :

1. ✖ first-angle projection method.

2. ✘ second-angle projection method.
3. ✔ third-angle projection method.
4. ✘ fourth-angle projection method.

Question Number : 24 Question Id : 630680311449 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

In third-angle projection method, the _____ is assumed to be placed above the object.

Options :

1. ✘ V.P.
2. ✔ H.P.
3. ✘ Picture Plane
4. ✘ Reference line

Question Number : 25 Question Id : 630680311450 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

In orthographic projection, the _____ are perpendicular to the _____ of projection. (Select the correct pair.)

Options :

1. ✘ Observer; plane
2. ✘ Object; observer
3. ✘ Projector; object
4. ✔ Projector; plane

Question Number : 26 Question Id : 630680311451 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Which one of the following statement/s is/are correct:

- A. In the first-angle projection method, the object comes between the observer and the plane.
- B. In the first-angle projection method, the top view is always below the front view

Options :

1. ✘ Only A
2. ✘ Only B
3. ✔ Both A & B
4. ✘ Neither A & B

Question Number : 27 Question Id : 630680311452 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Match the following and select the correct option.

I 1:2	A. Enlarging scale
II 5:1	B. Full size scale
III 1:1	C. Reducing scale

Options :

1. ✘ I-A, II-B, III-C
2. ✘ I-B, II-C, III-A
3. ✔ I-C, II-A, III-B
4. ✘ I-C, II-B, III-A

Question Number : 28 Question Id : 630680311453 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

As the drawing becomes old, this scale may shrink and may not give accurate results. Which scale is this?

Options :

1. ✘ enlarging scale
2. ✔ graphical scale
3. ✘ engineer's scale
4. ✘ representative fraction

Question Number : 29 Question Id : 630680311454 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

To obtain divisions of a given short line AB in multiples of $1/10$ its length, using a diagonal scale, each horizontal line below AB becomes progressively shorter in length by

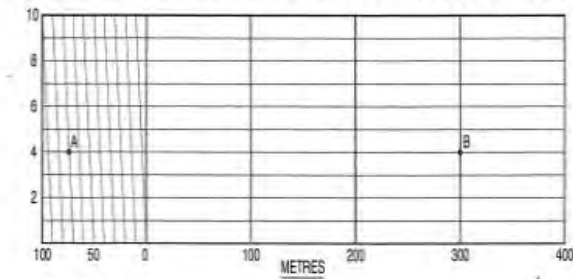
Options :

1. ✘ $1/2 \times AB$
2. ✘ $1/4 \times AB$
3. ✘ $1/8 \times AB$
4. ✔ $1/10 \times AB$

Question Number : 30 Question Id : 630680311455 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Calculate the distance between points A & B in meters using the diagonal scale of R.F = $1/4000$



Options :

1. ✔ 374 meters.
2. ✘ 274 meters.
3. ✘ 474 meters.
4. ✘ 174 meters.

Question Number : 31 Question Id : 630680311456 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Match the following and identify the correct pair:

i. Forward vernier	A. Length of each division of vernier scale is greater than the length of each division of the primary scale
ii. Backward vernier	B. Length of one division of the vernier scale is smaller than the length of one division of the primary scale
iii. Least count	C. One division of main scale of Vernier reads 1 mm
iv. Primary scale division	D. Difference of 1 primary scale division and 1 vernier scale division.

Options :

1. ✘ I-A, II-B, III-C, IV-D

2. ✓ I-B, II-A, III-D, IV-C
3. ✗ I-C, II-B, III-A, IV-D
4. ✗ I-D, II-A, III-B, IV-C

Question Number : 32 Question Id : 630680311457 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

The _____ are used in surveying instruments to measure angle to the required accuracy. In the case of mechanical engineering, it is used in measuring instruments such as micrometer.

Options :

1. ✗ Forward vernier
2. ✗ Backward vernier
3. ✓ Circular vernier
4. ✗ Scale of chords

Question Number : 33 Question Id : 630680311458 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

The _____ is used to set out or measure angles when a protractor is not available. It is based on the lengths of chords of different angles measured on the same arc

Options :

1. ✗ Forward vernier
2. ✗ Backward vernier
3. ✗ Circular vernier
4. ✓ Scale of chords

Question Number : 34 Question Id : 630680311459 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

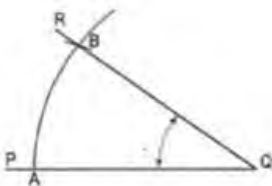
When measurements are required in three units _____ scale is used

Options :

1. ✗ comparative
2. ✓ diagonal
3. ✗ plain
4. ✗ vernier

Question Number : 35 Question Id : 630680311460 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33



Measure the given angle PQR by means of the scale of chords.

Options :

1. ✗ 17°
2. ✗ 27°
3. ✓ 37°
4. ✗ 47°

Question Number : 36 Question Id : 630680311461 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Initial works and construction lines are drawn using _____ pencil

Options :




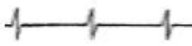
1. ✘ 2B
2. ✘ B
3. ✘ 2H
4. ✔ H

Question Number : 37 Question Id : 630680311462 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Continuous thick or continuous wide lines are represented as:

Options :

1. ✘ 
2. ✔ 
3. ✘ 
4. ✘ 

Question Number : 38 Question Id : 630680311463 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Lines drawn to represent visible edges and surface boundaries of objects are called _____

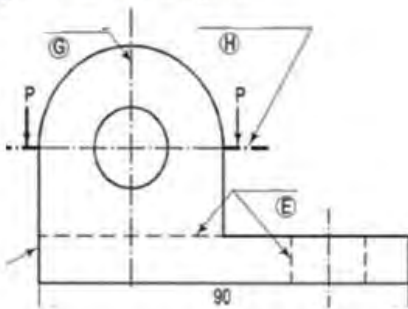
Options :

1. ✔ Outlines
2. ✘ Margin lines
3. ✘ Dimension lines
4. ✘ Projection lines

Question Number : 39 Question Id : 630680311464 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Three different lines have been shown in the figure as G, H and E. Identify the correct series by matching the following options with the figure:



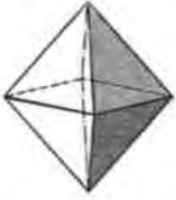
Options :

1. ✘ G - Centre line, H - Leader line, E - Section line
2. ✘ G - Outline, H - Cutting plane line, E - Hidden line
3. ✘ G - Centre line, H - Extension line, E - Section line
4. ✔ G - Centre line, H - Cutting plane line, E - Hidden line

Question Number : 40 Question Id : 630680311465 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

The solid object shown in the figure is called:



Options :

1. ✘ Tetrahedron
2. ✔ Octahedron
3. ✘ Dodecahedron
4. ✘ Icosahedron

Question Number : 41 Question Id : 630680311466 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Which one of the following is not a principal method of development of surfaces

Options :

1. ✔ Accurate development
2. ✘ Parallel line development
3. ✘ Approximate development
4. ✘ Triangulation development

Question Number : 42 Question Id : 630680311467 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

_____ is used for pyramids and cones in which the true length of the slant edge or the generator is used as radius.

Options :

1. ✔ Radial Line Development
2. ✘ Parallel line Development
3. ✘ Approximate Development
4. ✘ Triangulation Development

Question Number : 43 Question Id : 630680311468 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Oblique prisms and pyramids have their axes inclined to their _____

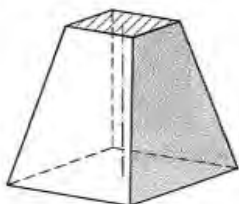
Options :

1. ✘ apex
2. ✔ bases
3. ✘ faces
4. ✘ slant edges

Question Number : 44 Question Id : 630680311469 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

The figure here represents which of the following forms of solid? (Identify the correct answer)



Options :

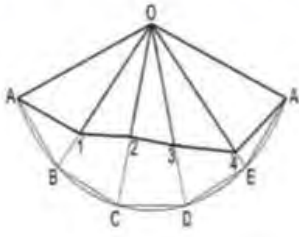
1. ✘ Truncated
2. ✘ Oblique cylinders

- 3. ✘ Cones
- 4. ✔ Frustum

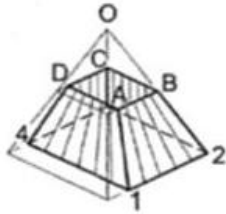
Question Number : 45 Question Id : 630680311470 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

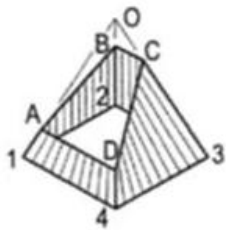
Identify the correct isometric view of the figure shown here resulting from development of surfaces.



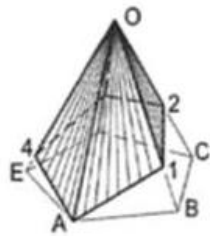
Options :



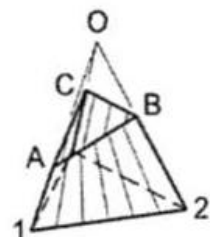
1. ✘



2. ✘



3. ✔



4. ✘

Question Number : 46 Question Id : 630680311471 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

An A0 drawing sheet measures

Options :

- 1. ✘ 590 mm x 850 mm
- 2. ✘ 851mm x 1150 mm
- 3. ✘ 594 mm x 841 mm
- 4. ✔ 841 mm x 1189 mm

Question Number : 47 Question Id : 630680311472 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

This symbol is used to represent:



Options :

1. ✓ Rolling shutter internal
2. ✗ Rolling shutter external
3. ✗ Door with projected hinges
4. ✗ Revolving door

Question Number : 48 Question Id : 630680311473 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

The Title Block in a drawing sheet which lies in the bottom right corner measures

Options :

1. ✗ 165 mm x 65 mm
2. ✗ 185 mm x 85 mm
3. ✓ 185 mm x 65 mm
4. ✗ 165 mm x 85 mm

Question Number : 49 Question Id : 630680311474 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

This symbol represents:



Options :

1. ✓ Telephone cable distribution board public service
2. ✗ Telephone cable distribution board internal
3. ✗ Telephone instrument point internal
4. ✗ Telephone instrument point public service

Question Number : 50 Question Id : 630680311475 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Distribution fuse-board without switches, lighting is represented by:

Options :



Question Number : 51 Question Id : 630680311476 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

The attached symbol is used for representing _____



Options :

1. ✘ Cupboard
2. ✘ Table
3. ✔ Bed
4. ✘ Chair

Question Number : 52 Question Id : 630680311477 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

This symbol is used to represent:



Options :

1. ✘ Village as surveyed (walled)
2. ✔ Village as surveyed (open)
3. ✘ Deserted site
4. ✘ Populated site

Question Number : 53 Question Id : 630680311478 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

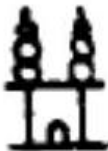
Correct Marks : 1 Wrong Marks : 0.33

A church in a drawing is represented by

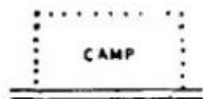
Options :



1. ✘



2. ✘



3. ✘



4. ✔

Question Number : 54 Question Id : 630680311479 Is Question Mandatory : No Calculator : None Response Time : N.A Think

Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

For symbols of materials, earth is represented as



As per IS code, what is the colour by which earth is represented?

Options :

1. ✘ Cobalt blue
2. ✘ Burnt sienna
3. ✔ Sepia
4. ✘ Vermillion

Question Number : 55 Question Id : 630680311480 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

As per colour norms of IS code, work proposed to be dismantled is shown in Site Plan and Building Plan as:

Options :

1. ✘ Red filled in
2. ✔ Yellow hatched
3. ✘ Red dotted
4. ✘ Black dotted

Question Number : 56 Question Id : 630680311481 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

_____ is an indentation in the face of a brick to form a key for holding mortar

Options :

1. ✔ Frog
2. ✘ Splays
3. ✘ Bullnose
4. ✘ Arris

Question Number : 57 Question Id : 630680311482 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

A squint junction is formed when an internal wall meets an external continuous wall at an angle other than ____

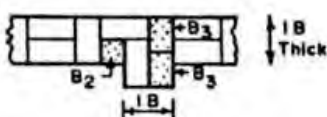
Options :

1. ✘ 15°
2. ✘ 30°
3. ✘ 45°
4. ✔ 90°

Question Number : 58 Question Id : 630680311483 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

The figure attached represents which of the following?



Options :

1. ✔ Double Flemish bond for wall 1 and 1/2 brick thick
2. ✘ Double Flemish bond for pier projection of 1/2 brick thick
3. ✘ English bond for wall 1 and 1/2 brick thick
4. ✘ English bond for pier projection of 1 and 1/2 brick thick

Question Number : 59 Question Id : 630680311484 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

A portion of a brick whose one end is cut splayed with an angle of splay varying from 45° to 60° is known as

Options :

1. ✘ Bevelled closure
2. ✔ Mitred closure
3. ✘ King closure
4. ✘ Queen closure

Question Number : 60 Question Id : 630680311485 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Match the following stonework and choose the correct answer.

I. Ashlar	A. An interlocking arrangement of structural units
II. Bed Joint	B. Stone masonry using dressed square stone blocks.
III. Bond	C. The joint where one stone press on another

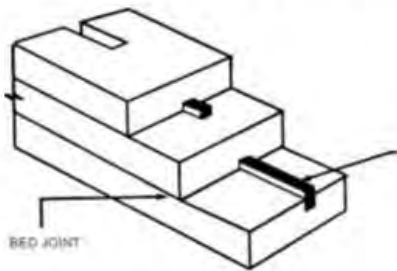
Options :

1. ✘ I-A, II-B, III-C
2. ✘ I-A, II-C, III-B
3. ✔ I-B, II-C, III-A
4. ✘ I-B, II-A, III-C

Question Number : 61 Question Id : 630680311486 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

In the attached figure of a dowel joint, one arrow shows bed joint, what does the other arrow indicate?







Options :

1. ✘ Metal cramp
2. ✔ Dowel
3. ✘ Joggle
4. ✘ Sill

Question Number : 62 Question Id : 630680311487 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Match the following stonework and choose the correct answer.

I		A. Rough Tooled Stone Surface
II		B. Hammer Dressed Stone Surface
III		C. Rock Faced Stone Surface
IV		D. Fine Tooled Stone Surface

Options :

1. ✘ I-A, II-B, III-C, IV-D
2. ✘ I-C, II-B, III-A, IV-D
3. ✘ I-B, II-C, III-D, IV-A
4. ✔ I-B, II-A, III-D, IV-C

Question Number : 63 Question Id : 630680311488 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

A _____ is a special type of isolated footing generally provided with heavily loaded steel stanchions

Options :

1. ✘ Raymond piles
2. ✘ Machine foundation
3. ✔ Grillage
4. ✘ Vibro piles

Question Number : 64 Question Id : 630680311489 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

For RCC foundation, match the following items with their properties:

i. Cement	A. 5mm to 40 mm dia
ii. Aggregates:	B. OPC
iii. Steel	C. Coarse and fine

Options :

1. ✘ I-A, II-B, III-C
2. ✔ I-B, II-C, III-A
3. ✘ I-C, II-B, III-A
4. ✘ I-C, II-A, III-B

Question Number : 65 Question Id : 630680311490 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

The damp-proofing work for basement shall be taken up only when the subsoil water level is at its

Options :

1. ✔ lowest
2. ✘ highest
3. ✘ normal
4. ✘ flood level

Question Number : 66 Question Id : 630680311491 Is Question Mandatory : No Calculator : None Response Time : N.A Think

Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

For Damp Proof Course treatment as per IS specifications above ground level, the prescribed cement-mortar ratio and the thickness of the waterproofing compound must be _____ & _____ respectively.

Options :

1. ✘ 1:3 & 9mm
2. ✔ 1:4 & 12 mm
3. ✘ 1:5 & 15 mm
4. ✘ 1:6 & 18 mm

Question Number : 67 Question Id : 630680311492 Is Question Mandatory : No Calculator : None Response Time : N.A Think

Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Which of the following is **not** considered as “Dead Load” of a slab?

Options :

1. ✘ Weight of the slab
2. ✘ Floor finishes
3. ✔ Weight of the users
4. ✘ Ceiling finish

Question Number : 68 Question Id : 630680311493 Is Question Mandatory : No Calculator : None Response Time : N.A Think

Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

For design and construction of floors and roofs with precast reinforced concrete planks and joist, In-situ concrete shall conform to grade _____ of IS 456: 1978

Options :

1. ✔ M 15
2. ✘ M 20
3. ✘ M 25
4. ✘ M 30

Question Number : 69 Question Id : 630680311494 Is Question Mandatory : No Calculator : None Response Time : N.A Think

Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

For simply supported rectangular slab spanning in one direction, the ratio of span to depth will be

Options :

1. ✘ 15
2. ✘ 20
3. ✘ 25
4. ✔ 30

Question Number : 70 Question Id : 630680311495 Is Question Mandatory : No Calculator : None Response Time : N.A Think

Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Which one of the following statement/s is/are correct regarding Jack arch?

- i. Joists are placed 1 to 1.5 m centre to centre.
- ii. The minimum depth of concrete at crown is kept equal to 15 cm.
- iii. Jack arch is made of brick or concrete.

Options :

1. ✘ Only i & ii
2. ✘ Only ii & iii
3. ✘ Only i & iii
4. ✔ All i, ii & iii are correct

Question Number : 71 Question Id : 630680311496 Is Question Mandatory : No Calculator : None Response Time : N.A Think

Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Which one of the following statement/s is/are correct regarding Jack arch?

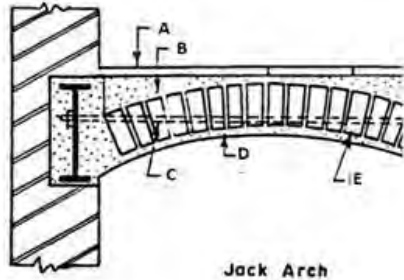
- The rise of a Jack arch is kept equal to 1/12th of the span.
- Steel tie rods are provided at the end.
- Load of the bridging joist are first transferred to binders.

Options :

- ✘ Only i & ii
- ✘ Only ii & iii
- ✘ Only i & iii
- ✔ All i, ii & iii are correct

Question Number : 72 Question Id : 630680311497 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33



Match the parts A, B, C, D, E from the correct option below:

Options :

- ✘ A – Limeconcrete, B – Flooring, C – Mildsteel tie rod, D – Plaster, E – Brick arch
- ✘ A – Flooring, B – Limeconcrete, C – Mildsteel tie rod, D – Brick arch, E – Plaster
- ✘ A – Flooring, B – Plaster, C – Mildsteel tie rod, D – Limeconcrete, E – Brick arch
- ✔ A – Flooring, B – Limeconcrete, C – Mildsteel tie rod, D – Plaster, E – Brick arch

Question Number : 73 Question Id : 630680311498 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Match the following regarding timber flooring and identify the correct answer from options below:

i. The width of the joints in supporting joist shall not be less than	A. 12 mm
ii. The width of boards selected shall not be less than	B. 50 mm
iii. The length of the boards shall not exceed	C. 100 mm
iv. Planks shall be tongued and grooved to a minimum depth of	D. 3 mtrs

Options :

- ✘ I-A, II-C, III-D, IV-B
- ✔ I-B, II-C, III-D, IV-A
- ✘ I-C, II-B, III-D, IV-A
- ✘ I-A, II-B, III-D, IV-C

Question Number : 74 Question Id : 630680311499 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Unless otherwise specified or shown in the drawings, the width of boards selected in timber flooring shall not be less than _____ mm nor more than _____ mm. (identify the correct pair of answers from the options below)

Options :

1. ✘ 25; 50
2. ✘ 50; 100
3. ✘ 75; 150
4. ✔ 100; 150

Question Number : 75 Question Id : 630680311500 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

A construction type where the ends of beams and girders are connected to transmit transverse shear only and are free to rotate under load in the plane of bending

Options :

1. ✘ Rigid construction
2. ✘ Semi-rigid construction
3. ✔ Simple construction
4. ✘ Complex construction

Question Number : 76 Question Id : 630680311501 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

A major beam of a floor system usually supporting joists in buildings; a transverse beam in bridge floors is called

Options :

1. ✘ Girder
2. ✔ Floor beam
3. ✘ Girt
4. ✘ Purlin

Question Number : 77 Question Id : 630680311502 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Terrazo flooring for small areas requires hand grinding/polishing with hand grinder. For hand polishing match the following carborundum stones against the grinding stages:

i. coarse grade stone (No. 60)	A. Second grinding
ii. medium grade (No. 80)	B. First grinding
iii. fine grade (No. 120)	C. Third grinding

Options :

1. ✔ I-B, II-A, III-C
2. ✘ I-A, II-C, III-B
3. ✘ I-B, II-C, III-B
4. ✘ I-A, II-A, III-C

Question Number : 78 Question Id : 630680311503 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

For the Assertion (A) and Reason (R) below, choose the CORRECT alternative from the following options.

Assertion: Mortise and tenon joint is commonly used in carpentry.

Reason: The mortise and tenon joint provides strong and durable connections between two pieces of wood.

Options :

1. ✘ The assertion is false, but the reason is true.
2. ✘ The assertion is true, but the reason is false.
3. ✔ Both assertion and reason are true, and the reason is the correct explanation of the assertion.
4. ✘ Both assertion and reason are true, but the reason is not the correct explanation of the assertion.

Question Number : 79 Question Id : 630680311504 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Which of the following (wood framing, common framing members) options is NOT matched correctly?

Options :

1. ✓ **Beam:** Provides vertical support for walls.
2. ✗ **Joist:** Supports horizontal loads on floors and ceilings.
3. ✗ **Rafter:** Supports the weight of a roof.
4. ✗ **Header:** Carries and distributes loads over openings.

Question Number : 80 Question Id : 630680311505 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

For the Assertion (A) and Reason (R) below, choose the CORRECT alternative from the following options.

Assertion: The purpose of rafters in framing is to provide support for the weight of the roof.

Reason: Rafters transfer the load from the roof to the supporting walls or beams.

Options :

1. ✓ **Both assertion and reason are true, and the reason is the correct explanation of the assertion.**
2. ✗ **Both assertion and reason are true, but the reason is not the correct explanation of the assertion.**
3. ✗ **The assertion is true, but the reason is false.**
4. ✗ **The assertion is false, but the reason is true.**

Question Number : 81 Question Id : 630680311506 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

This is market forms of timer piece whose breadth and thickness do not exceed 50 mm.

Options :

1. ✓ **Batten**
2. ✗ **Baulk**
3. ✗ **Deal**
4. ✗ **Board**

Question Number : 82 Question Id : 630680311507 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Name the process of sinking the edge of one piece of timber to another by cutting grooves across its grains?

Options :

1. ✗ **Moulding**
2. ✗ **Chamfering**
3. ✓ **Housing**
4. ✗ **Planning**

Question Number : 83 Question Id : 630680311508 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

For the Assertion (A) and Reason (R) below, choose the CORRECT alternative from the following options.

Assertion: Panelling and moulding are typically made from solid wood.

Reason: Solid wood is the most durable and versatile material for panelling and moulding applications.

Options :

1. ✓ **Both assertion and reason are true, and the reason is the correct explanation of the assertion.**
2. ✗ **Both assertion and reason are true, but the reason is not the correct explanation of the assertion.**
3. ✗ **The assertion is true, but the reason is false.**
4. ✗ **The assertion is false, but the reason is true.**

Question Number : 84 Question Id : 630680311509 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Which of the following is alike Tower bolt.

Options :

1. ✓ **Barrel**

2. ✘ Ordinary
3. ✘ Host
4. ✘ Aldrop

Question Number : 85 Question Id : 630680311510 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Statement-1: Panelled doors are primarily used in commercial buildings.

Statement-2: Glazed doors are designed to provide maximum privacy.

Options :

1. ✘ Both the statements are true.
2. ✔ Both the statements are false.
3. ✘ The statement-1 is true, but the statement-2 is false.
4. ✘ The statement-1 is false, but the statement-2 is true.

Question Number : 86 Question Id : 630680311511 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Name the door features vertical panels framed by horizontal rails and stiles. Often used in residential buildings.

Options :

1. ✘ Glazed door
2. ✘ Flush door
3. ✔ Paneled door
4. ✘ Battened and Ledged Door

Question Number : 87 Question Id : 630680311512 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Which of the following characteristics does not match with the Flush Door:

Options :

1. ✘ Smooth, flat surface without raised or recessed panels.
2. ✔ Constructed with vertical boards called battens.
3. ✘ Typically constructed by sandwiching a solid or hollow core between two plywood.
4. ✘ Can be customized in terms of material, finish, and design.

Question Number : 88 Question Id : 630680311513 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Name the central, vertical member of the truss in a pitched roof. It is the main load-bearing element of the truss and helps to support the weight of the roof.

Options :

1. ✘ Rafter
2. ✘ Purlin
3. ✘ Queen post
4. ✔ King post

Question Number : 89 Question Id : 630680311514 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Match the statement with the corresponding term: Queen Post

Options :

1. ✘ This is a vertical member in a roof truss that connects the apex (peak) of the truss to the horizontal tie beam.
2. ✘ The number of these members may vary depending on the size and design of the truss.
3. ✘ It provides support and helps to distribute the weight of the roof and upper structure.
4. ✔ It is commonly used in timber framing and traditional roof construction.

Question Number : 90 Question Id : 630680311515 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

For the Assertion (A) and Reason (R) below, choose the CORRECT alternative from the following options.
Assertion: Steel roof trusses are commonly used in modern construction due to their durability and strength.

Reason: Steel is a highly robust and resilient material that offers excellent load-bearing capacity and resistance to weather conditions.

Options :

1. ✓ Both Assertion and Reason are true, and the Reason is the correct explanation of the Assertion.
2. ✗ Both Assertion and Reason are true, but the Reason is not the correct explanation of the Assertion.
3. ✗ Assertion is true, but the Reason is false.
4. ✗ Assertion is false, but the Reason is true.

Question Number : 91 Question Id : 630680311516 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

As per IS:800, the maximum bending moment for design of purlins can be taken as:

Options :

1. ✗ WL/12
2. ✓ WL/10
3. ✗ WL/8
4. ✗ WL/6

Question Number : 92 Question Id : 630680311517 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Pitched and sloping roofs are most suitable for:

Options :

1. ✓ Coastal Regions
2. ✗ Plain Regions
3. ✗ covering large areas
4. ✗ Deserts Regions

Question Number : 93 Question Id : 630680311518 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

What is the purpose of a handrail on a wooden staircase?

Options :

1. ✗ Prevents wear and tear on the staircase
2. ✓ Structural support and safety
3. ✗ Decorative element
4. ✗ Helps with sound insulation

Question Number : 94 Question Id : 630680311519 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Which type of wooden staircase follows a straight, uninterrupted path from one floor to another?

Options :

1. ✗ U-shaped staircase
2. ✓ Straight staircase
3. ✗ L-shaped staircase
4. ✗ Spiral staircase

Question Number : 95 Question Id : 630680311520 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

For the Assertion (A) and Reason (R) below, choose the CORRECT alternative from the following options.

Assertion: Steel reinforcement in reinforced concrete provides resistance against tensile forces.

Reason: Steel has higher tensile strength than concrete.

Options :

1. ✓ Both Assertion and Reason are true, and the Reason is the correct explanation of the Assertion.

2. ✘ Both Assertion and Reason are true, but the Reason is not the correct explanation of the Assertion.
3. ✘ Assertion is true, but the Reason is false.
4. ✘ Assertion is false, but the Reason is true.

Question Number : 96 Question Id : 630680311521 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Which property of steel makes it a popular choice for construction?

Options :

1. ✘ Low cost
2. ✘ High thermal conductivity
3. ✔ High ductility
4. ✘ Light weight

Question Number : 97 Question Id : 630680311522 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Calculate the numbers of treads in case of doglegged staircase for the floor-to-floor height of 3600mm and riser height of 150mm.

Options :

1. ✔ 22
2. ✘ 23
3. ✘ 24
4. ✘ 25

Question Number : 98 Question Id : 630680311523 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

This type of staircase has an open space in the center, creating a well-like void.

Options :

1. ✘ Spiral Staircase
2. ✘ Doglegged Staircase
3. ✔ Open Well Staircase
4. ✘ Straight Staircase

Question Number : 99 Question Id : 630680311524 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Match the following terms with their corresponding descriptions: Longitudinal Section

Options :

1. ✘ A drawing that shows a horizontal view of an object or space as seen from directly above, typically indicating the arrangement and proportions of its elements.
2. ✘ A drawing that shows the overall layout of a building or property on a larger scale, including its location, surrounding features, and site details.
3. ✘ A drawing that shows a horizontal view of the top surface of an object or space, typically indicating the arrangement and proportions of its elements.
4. ✔ A drawing that shows a cut-through view of a building or object along its width, revealing the internal structure and details from one side to another.

Question Number : 100 Question Id : 630680311525 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

What does a dashed line in a floor plan usually indicate?

Options :

1. ✘ Plumbing pipes
2. ✔ Hidden or obscured elements
3. ✘ Load-bearing walls
4. ✘ Electrical wiring

Question Number : 101 Question Id : 630680311526 Is Question Mandatory : No Calculator : None Response Time : N.A Think

Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Which drawing is most useful for understanding the flow and circulation within a building?

Options :

1. ✘ Elevation
2. ✘ Isometric
3. ✘ Section
4. ✔ Floor Plan

Question Number : 102 Question Id : 630680311527 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

For the Assertion (A) and Reason (R) below, choose the CORRECT alternative from the following options.

Assertion: Plan, elevation, and section are the same type of drawing, showing different perspectives of a building or space.

Reason: These terms are used interchangeably to refer to different views of a building or space in architectural drawings.

Options :

1. ✔ Assertion is true, but the Reason is false.
2. ✘ Assertion is false, but the Reason is true.
3. ✘ Both Assertion and Reason are false.
4. ✘ Both Assertion and Reason are true.

Question Number : 103 Question Id : 630680311528 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Name the dead-end street with a circular turnaround at the end.

Options :

1. ✘ Pedestrian Street
2. ✔ Cul-de-sac
3. ✘ Interchange
4. ✘ Roundabout

Question Number : 104 Question Id : 630680311529 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

For the Assertion (A) and Reason (R) below, choose the CORRECT alternative from the following options.

Assertion: Service roads run parallel to major highways or arterial roads, providing access to businesses and properties along the main road.

Reason: Service roads help manage traffic flow and provide convenient entry and exit points for businesses and properties without disrupting the main road.

Options :

1. ✘ Assertion is true, but the Reason is false.
2. ✘ Assertion is false, but the Reason is true.
3. ✘ Both Assertion and Reason are false.
4. ✔ Both Assertion and Reason are true.

Question Number : 105 Question Id : 630680311530 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Statement-1: Boulevards are wide, multi-lane roads often lined with trees and landscaped medians.

Reason: Boulevards are designed to provide an aesthetically pleasing thoroughfare and accommodate high volumes of traffic.

Options :

1. ✘ Statement-1 is true, but the Statement-2 is false.
2. ✘ Statement-1 is false, but the Statement-2 is true.
3. ✔ Both Statement-1 and Statement-2 are true.
4. ✘ Both Statement-1 and Statement-2 are false.

Question Number : 106 Question Id : 630680311531 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

A high-speed road with limited access that is designed for long-distance travel.

Options :

1. ✘ Major District Road
2. ✘ State Highway
3. ✘ National Highway
4. ✔ Expressway

Question Number : 107 Question Id : 630680311532 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Statement-1: Ballast is placed above railway tracks to provide stability and distribute the weight of trains.

Statement-2: Ballast prevents the tracks from shifting, settling, or deforming under the weight and movement of trains.

Options :

1. ✘ Statement-1 is true, but the Statement-2 is false.
2. ✘ Statement-1 is false, but the Statement-2 is true.
3. ✔ Both Statement-1 and Statement-2 are true.
4. ✘ Both Statement-1 and Statement-2 are false.

Question Number : 108 Question Id : 630680311533 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

For the Assertion (A) and Reason (R) below, choose the CORRECT alternative from the following options.

Assertion: Railway tracks are constructed with a continuous welded rail (CWR) to provide a smoother and more stable ride for trains.

Reason: CWR creates joints between rail sections.

Options :

1. ✘ Assertion is true, but the Reason is false.
2. ✘ Assertion is false, but the Reason is true.
3. ✘ Both Assertion and Reason are false.
4. ✔ Both Assertion and Reason are true.

Question Number : 109 Question Id : 630680311534 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Which part of the railway track provides lateral stability to the rails?

Options :

1. ✘ Rails
2. ✘ Fasteners
3. ✔ Ballast
4. ✘ Sleepers

Question Number : 110 Question Id : 630680311535 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Match the followings- Sleeper: Reinforced Cement Concrete; Rail Track:

Options :

1. ✔ Steel
2. ✘ Aluminum
3. ✘ Copper
4. ✘ Iron

Question Number : 111 Question Id : 630680311536 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Statement A: Embankments are raised structures built to support railway tracks and provide a level surface.

Statement B: The layout of platforms excludes the design of ramps, stairs, and elevators for easy access to and from trains.

Options :

1. ✘ Statement A is false, but statement B is true.
2. ✘ Statement A is true, but statement B is false.
3. ✘ Both statements A and B are true.
4. ✔ Both statements A and B are false.

Question Number : 112 Question Id : 630680311537 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

An embankment constructed parallel to the river for flood protection on one side is known as

Options :

1. ✘ Guide banks
2. ✘ Aprons
3. ✔ Levees
4. ✘ Spurs

Question Number : 113 Question Id : 630680311538 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

For the Assertion (A) and Reason (R) below, choose the CORRECT alternative from the following options.

Assertion: Drip irrigation is a type of irrigation structure that delivers water directly to the roots of plants.

Reason: Drip irrigation maximize water loss due to evaporation.

Options :

1. ✘ Assertion is incorrect, but the reason is correct
2. ✔ Assertion is correct, but the reason is incorrect.
3. ✘ Both assertion and reason are correct, but the reason does not justify the assertion.
4. ✘ Both assertion and reason are correct, and the reason justifies the assertion.

Question Number : 114 Question Id : 630680311539 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

In plain areas, the irrigation canals are usually aligned along:

Options :

1. ✘ Valley lines
2. ✔ Ridge lines
3. ✘ Across the contours
4. ✘ Contour lines

Question Number : 115 Question Id : 630680311540 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Inspection chamber is provided within _____ meter from the house gully.

Options :

1. ✘ 9
2. ✘ 7
3. ✔ 6
4. ✘ 8

Question Number : 116 Question Id : 630680311541 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

in a _____ pipe system of plumbing work, waste pipe are separated.

Options :

1. ✘ combined
2. ✘ separate
3. ✘ one
4. ✔ two

Question Number : 117 Question Id : 630680311542 Is Question Mandatory : No Calculator : None Response Time : N.A Think

Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Pipe lines joined in four directions by this fitting _____

Options :

1. ✘ Bend
2. ✔ Cross
3. ✘ Tee
4. ✘ Union

Question Number : 118 Question Id : 630680311543 Is Question Mandatory : No Calculator : None Response Time : N.A Think

Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

What type of joint is made in cast iron pipe?

Options :

1. ✘ Dovetail Joint
2. ✘ Lap Joint
3. ✔ Socket and spigot
4. ✘ Adhesive

Question Number : 119 Question Id : 630680311544 Is Question Mandatory : No Calculator : None Response Time : N.A Think

Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

For the Assertion (A) and Reason (R) below, choose the CORRECT alternative from the following options.

Assertion: Butt joints are a type of riveted joint used to join the ends of two structural members.

Reason: Butt joints provide excellent load-carrying capacity and are suitable for high-stress applications.

Options :

1. ✘ Both assertion and reason are correct, and the reason justifies the assertion.
2. ✔ Both assertion and reason are correct, but the reason does not justify the assertion.
3. ✘ Assertion is incorrect, but the reason is correct.
4. ✘ Assertion is correct, but the reason is incorrect.

Question Number : 120 Question Id : 630680311545 Is Question Mandatory : No Calculator : None Response Time : N.A Think

Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

The minimum pitch allowed in riveted joints is _____ times effective diameter of rivet.

Options :

1. ✘ 1.5
2. ✔ 2.5
3. ✘ 3.5
4. ✘ 4.5

Question Number : 121 Question Id : 630680311546 Is Question Mandatory : No Calculator : None Response Time : N.A Think

Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

For the Assertion (A) and Reason (R) below, choose the CORRECT alternative from the following options.

Assertion: Riveted joints provide a strong and reliable connection between metal components.

Reason: The deformation of the rivet during installation cannot ensure a tight and secure bond.

Options :

1. ✔ Both assertion and reason are correct, and the reason justifies the assertion
2. ✘ Both assertion and reason are correct, but the reason does not justify the assertion.
3. ✘ Assertion is correct, but the reason is incorrect
4. ✘ Assertion is incorrect, but the reason is correct.

Question Number : 122 Question Id : 630680311547 Is Question Mandatory : No Calculator : None Response Time : N.A Think

Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Statement-1: Standard steel sections, such as I-beams and channels, are widely used in residential buildings.

Statement-2: They are designed to ensure compatibility and ease of use in various construction applications.

Options :

1. ✘ Statement 1 is false, but statement 2 is true.
2. ✘ Statement 1 is true, but statement 2 is false.
3. ✔ Both statements 1 and 2 are true.
4. ✘ Both statements 1 and 2 are false.

Question Number : 123 Question Id : 630680311548 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Which operation cannot be done easily on mild steel?

Options :

1. ✘ Punching
2. ✘ Cutting
3. ✔ Hardening
4. ✘ Drilling

Question Number : 124 Question Id : 630680311549 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

What is the weight per metre of 20 mm diameter bar?

Options :

1. ✘ 1.47 Kg
2. ✔ 2.47 Kg
3. ✘ 2.74 Kg
4. ✘ 3.74 Kg

Question Number : 125 Question Id : 630680311550 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Statement-1: Standard steel sections are designed to provide structural stability and minimize material usage in construction applications.

Statement-2: Standard steel sections, such as hollow sections and tubes, are commonly used in the construction of infrastructure projects like stadiums and airports.

Options :

1. ✘ Statement 1 is false, but statement 2 is true.
2. ✘ Statement 1 is true, but statement 2 is false.
3. ✔ Both statements 1 and 2 are true.
4. ✘ Both statements 1 and 2 are false.

Question Number : 126 Question Id : 630680311551 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Which type of fitting is not used while laying pipes for service connection?

Options :

1. ✘ Steel pipe
2. ✘ Wrought iron pipe
3. ✘ Cast iron pipe
4. ✔ PVC saddles

Question Number : 127 Question Id : 630680311552 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

It represents the relationship between the distance on the map and the corresponding distance on the ground.

Options :

1. ✔ Representative Fraction
2. ✘ linear Scale
3. ✘ Verbal Scale
4. ✘ Engineering Scale

Question Number : 128 Question Id : 630680311553 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

I.Chain surveying is most suitable for open fields and plains.

II.The cumulative errors are those which occur in either direction and tend to compensate at the end.

Options :

1. Statement I is correct and Statement II is wrong
2. Both the statements are wrong
3. Statement I is wrong and statement II is correct
4. Both the statements are correct

Question Number : 129 Question Id : 630680311554 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

For the Assertion (A) and Reason (R) below, choose the CORRECT alternative from the following options.

Assertion: The accuracy of a chain survey depends on the skill of the surveyor.

Reason: A skilled surveyor can ensure proper alignment and consistent chain measurements during the survey.

Options :

1. The assertion is true, but the reason is false.
2. Both assertion and reason are true, and the reason is the correct explanation of the assertion.
3. The assertion is false, but the reason is true.
4. Both assertion and reason are true, but the reason is not the correct explanation of the assertion.

Question Number : 130 Question Id : 630680311555 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Which survey established the center line of the actual highway?

Options :

1. Cadastral
2. Reconnaissance
3. Preliminary
4. Location

Question Number : 131 Question Id : 630680311556 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

What type of survey entry is used to establish the vertical position of various features?

Options :

1. Distances
2. Elevations
3. Azimuths
4. Bearings

Question Number : 132 Question Id : 630680311557 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

_____ are not typically used to check an open traverse.

Options :

1. Deflection angles
2. Linear measurement
3. Astronomical observations
4. Included angles

Question Number : 133 Question Id : 630680311558 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Statement-1: The coordinate method allows surveyors to calculate the area of a closed traverse based on the coordinates of its vertices.

Statement-2: The coordinate method increases the need for extensive field measurements when calculating survey areas.

Options :

1. ✘ Statement I is correct and Statement II is incorrect
2. ✘ Statement I is incorrect and statement II is correct
3. ✘ Both statements are correct
4. ✔ Both statements are incorrect

Question Number : 134 Question Id : 630680311559 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

What is the purpose of contouring in chain surveying?

Options :

1. ✘ To establish control points for leveling
2. ✔ To visualize the elevation changes in the survey area
3. ✘ To calculate the slope of the terrain
4. ✘ To determine the location of obstacles

Question Number : 135 Question Id : 630680311560 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Statement-1: Prismatic compasses are more accurate than modern electronic compasses.

Statement-2: Prismatic compasses are susceptible to magnetic disturbances from nearby metal objects.

Options :

1. ✘ Statement I is correct and Statement II is incorrect
2. ✔ Statement I is incorrect and statement II is correct
3. ✘ Both the statements are correct
4. ✘ Both the statements are incorrect

Question Number : 136 Question Id : 630680311561 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

For the Assertion (A) and Reason (R) below, choose the CORRECT alternative from the following options.

Assertion: A prismatic compass is a navigational instrument used to determine the magnetic bearing of an object or direction.

Reason: The prismatic compass contains a magnetic needle that aligns with the Earth's magnetic field, providing a reading of the bearing.

Options :

1. ✘ The assertion is true, but the reason is false.
2. ✘ The assertion is false, but the reason is true.
3. ✔ Both assertion and reason are true, and the reason is the correct explanation of the assertion.
4. ✘ Both assertion and reason are true, but the reason is not the correct explanation of the assertion.

Question Number : 137 Question Id : 630680311562 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

For the Assertion (A) and Reason (R) below, choose the CORRECT alternative from the following options.

Assertion: The leveling instrument should be set up on firm and stable ground to ensure accurate measurements.

Reason: A stable tripod ensures that the leveling instrument remains steady and avoids errors caused by movements.

Options :

1. ✘ Assertion is incorrect, but the reason is correct.
2. ✘ Assertion is correct, but the reason is incorrect.
3. ✔ Both assertion and reason are correct, and the reason justifies the assertion.
4. ✘ Both assertion and reason are correct, but the reason does not justify the assertion.

Question Number : 138 Question Id : 630680311563 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

What is the formula for principle of operation of electronic distance measurement (EDM)?

Options :

- ✘ Velocity = Time x Distance
- ✘ Velocity = Time / Distance
- ✘ Velocity = Distance x Time
- ✔ Velocity = Distance / Time

Question Number : 139 Question Id : 630680311564 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

_____ Is the common instrument used for contouring in a hilly area.

Options :

- ✔ Tacheometer
- ✘ level
- ✘ Inclinator
- ✘ Clinometer

Question Number : 140 Question Id : 630680311565 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

I.S.I has recommended the use of _____ folding staff.

Options :

- ✘ 1 m
- ✘ 3 m
- ✔ 4 m
- ✘ 5 m

Question Number : 141 Question Id : 630680311566 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

The operation of levelling to determine the elevation of points at some distance apart is called _____ and is usually accomplished by direct levelling.

Options :

- ✘ Profile Levelling
- ✔ Differential Leveling
- ✘ Reciprocal Levelling
- ✘ Precise Levelling

Question Number : 142 Question Id : 630680311567 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

A self-reading staff is always seen through the telescope, all readings appear to be _____.

Options :

- ✔ Inverted
- ✘ systematic
- ✘ Straight
- ✘ Perpendicular

Question Number : 143 Question Id : 630680311568 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Which column is used for the first entry in the level book page?

Options :

- ✘ Height of instrument
- ✔ Back sight
- ✘ Fore sight
- ✘ Intermediate sight

Question Number : 144 Question Id : 630680311569 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

The leveling instrument used for the calculation of earthwork is called a _____

Options :

1. ✘ Reversible level
2. ✔ Dumpy level
3. ✘ Tilting level
4. ✘ Spirit level

Question Number : 145 Question Id : 630680311570 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

How are elevations represented in a cross section?

Options :

1. ✘ By contour lines
2. ✘ By horizontal lines
3. ✔ By vertical lines
4. ✘ By numerical values

Question Number : 146 Question Id : 630680311571 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

The longest chain line passing through the centre of the area is known as _____

Options :

1. ✘ Tie line
2. ✔ Base line
3. ✘ Check line
4. ✘ Survey line

Question Number : 147 Question Id : 630680311572 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Contour lines cross ridge lines at _____ angles.

Options :

1. ✘ 30 degree
2. ✘ 60 degree
3. ✔ 90 degree
4. ✘ 120 degree

Question Number : 148 Question Id : 630680311573 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

For the Assertion (A) and Reason (R) below, choose the CORRECT alternative from the following options.

Assertion: Contour lines that cross each other on a map indicate overhanging cliffs or deep valleys.

Reason: Contour lines do not intersect; they maintain a consistent height above or below the reference plane.

Options :

1. ✔ Both assertion and reason are correct, and the reason justifies the assertion
2. ✘ Both assertion and reason are correct, but the reason does not justify the assertion.
3. ✘ Assertion is correct, but the reason is incorrect.
4. ✘ Assertion is incorrect, but the reason is correct.

Question Number : 149 Question Id : 630680311574 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

For the Assertion (A) and Reason (R) below, choose the CORRECT alternative from the following options.

Assertion: Contour lines with higher values or numbers indicate lower elevations on a map.

Reason: The numbering of contour lines is arbitrary and does not follow a specific elevation sequence.

Options :

1. ✘ Assertion is correct, but the reason is incorrect.

2. ✘ Assertion is incorrect, but the reason is correct.
3. ✘ Both assertion and reason are correct
4. ✔ Both assertion and reason are incorrect

Question Number : 150 Question Id : 630680311575 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

What does it mean when contour lines are closely spaced?

Options :

1. ✘ No elevation change
2. ✘ Flat terrain
3. ✔ Steep slope
4. ✘ Gentle slope