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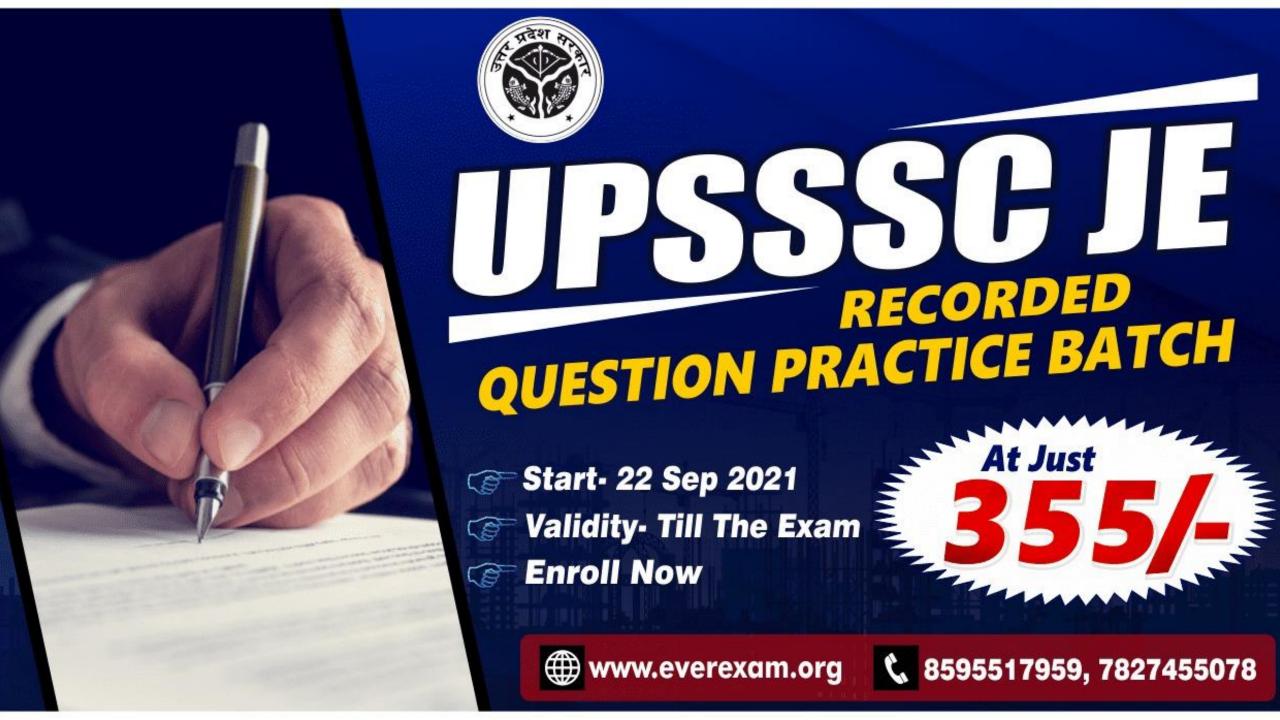


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Daily Class - 7:30 PM

Q:) The plane of a map was photo copied to reduced size such that a line originally 100 mm, measures 90 mm, The original scale of the plane was 1:1000. the revised scale is

A:1:900

B:1:1111

C: 1: 1121

D:1:1221



Daily Class – 7:30 PM

Q:) A surveying is conducted with a view to prepare the map of an area of a scale of 1:1000. If a scale with least count of 0.1 mm is used for plotting what would be the accuracy in length measurement in the field?

A: 0.325 m

B: 0.01 m

C: 0.1 m

D:1 m



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Daily Class – 7:30 PM

Q:) The side of a rectangle are (120  $\pm$ 0.05) m and (180  $\pm$  0.06)m. The probable error in the area will be:

 $A: \pm 16.80 \text{ m}^2$ 

 $B: \pm 12.35 \text{ m}^2$ 

 $C: +16.70 \text{ m}^2$ 

 $D: \pm 16.20 \text{ m}^2$ 

Daily Class – 7:30 PM

Q:) Probable error of an observation of unit weight is given by:

A: ± Standard error

B:  $\pm \frac{1}{\sqrt{5}}$  × standard error

 $C: \pm 0.5 \times standard error$ 

D:  $\pm$  0.6745 × standard error



Daily Class – 7:30 PM

Q:) The relationship between the probable error of single observation ( $E_s$ ) and the probable error of the mean ( $E_M$ ) is:

$$A:E_m=rac{E_s}{n}$$

$$\mathtt{B}:m{E_m}=rac{E_S}{\sqrt{n}}$$

$$\mathsf{C}: E_m = rac{E_s}{n^{2/3}}$$

$$\mathsf{D}: E_m = rac{E_S}{2n^{1/2}}$$



Daily Class – 7:30 PM

Q:) The residual error is the difference between:

A: True value and observed value of a quantity

B: Most probable value and observed value of a quantity

C: Most probable value and true value of a quantity

D: None of the above



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Daily Class – 7:30 PM

Q:) Theory of probability is applied to:

A: Accidental errors only

**B**: Cumulative errors only

C: Both accidental and cumulative error

D: None of the above



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Daily Class – 7:30 PM

Q:) The type of surveying in which the curvature of the earth is taken into account is called:

A: Geodetic surveying

**B**: Plane surveying

**C**: Preliminary surveying

D: Topographical surveying





Daily Class – 7:30 PM

Q:) The principle of working from 'whole to part' is used in surveying because:

A: Plotting becomes easy

B: Survey work can be completed quickly

C: Accumulation of errors is prevented

D: All of the above



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Daily Class - 7:30 PM

Q:) Geodetic survey of India was done,

using:

A: Triangulation

**B**: Traversing

**C**: Trilateration

D: None of the above



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Daily Class - 7:30 PM

Q:) Which one of the following is not a transition curve?

A: Cubic spiral

**B**: Cubic parabola

C: Bermalli's leminiscale

D: Sag curve



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Daily Class – 7:30 PM

Q:) Which of the following can be used as a map substitute?

A: Terrestrial photographs

**B**: Vertical aerial photographs

C: Oblique aerial photographs

D: Vertical aerial photo-mosaics



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Daily Class - 7:30 PM

Q:) Knowledge of surveying is significant

for:

A: Laying underground pipe lines

**B**: Town planning

C: Laying of canals

D: All of these



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Daily Class – 7:30 PM

Q:) A satellite station in triangulation is:

A: A ground station which sends signals

to satellite

B: A ground station which receives signals from satellite

C: An eccentric station located at a large distance from the main station

D: A false station near the main station



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Daily Class – 7:30 PM

Q:) Which of the following instruments is generally sued for base line measurements:

A: Chain

**B**: Metallic tape

C: Steel tape

D: Invar tape



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Daily Class - 7:30 PM

Q:) Cross staff is an instrument used for:

A: Measuring approximate horizontal

angles

**B**: Setting out right angles

C: Measuring bearing of the line

D: None of these



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Daily Class – 7:30 PM

Q:) In linear measurement, the

correction for sag is:

A: Always additive

**B**: Always subtractive

C: Always zero

D: Additive for "Steel tape" and

subtractive "Metallic tape"



Daily Class – 7:30 PM

Q:) A 30-m steel tape was standardized at 20°C. The tape was used when the ambient temperature was  $40^{\circ}$ C. A 30-m length measured with the tape will actually be (taken coefficient of expansion of tape materials as  $15 \times 10^{-6}$ )

A: 30.09 m

B: 30.009 m

C: 29.991 m

D: 29.91 m



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Daily Class – 7:30 PM

Q:) Error due to bad ranging is:

A: Commutative positive

**B**: Commutative negative

**C**: Compensative

D: Never serious



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Daily Class - 7:30 PM

Q:) The position of a point can be fixed

more accurately by:

A: Cross staff

**B**: Optical square

C: Oblique offsets

**D**: Perpendicular offsets



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Daily Class – 7:30 PM

Q:) A metallic tape is of-

A: Invar

B: Limen

C: Cloth and wires

D: Steel



Daily Class – 7:30 PM

- Q:) In a centered triangle the equations of condition are:
- A: Four angle conditions
- **B**: Three angle conditions and one side conditions
- C: Four angle conditions and one side condition
- D: Three angle conditions and two side conditions only



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Daily Class - 7:30 PM

Q:) As per Is, the length of one link in a

30 metre chain should be:

A: 20 cm

B: 30 cm

C: 40 cm

D: 100 cm

Daily Class – 7:30 PM

Q:) A tape of length ' $\ell$ ' and weight 'w' kg/m, is suspended at its ends with a pull o 'P' kg, the sag correction is:

$$\mathsf{A}:\frac{\ell^3w^2}{24P^2}$$

$$\mathsf{B}:\frac{\ell^2w^3}{24P^2}$$

$$\mathbf{C}:\frac{\ell^3w^2}{24P^3}$$

$$\mathsf{D}: \frac{\ell w^2}{24P}$$



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Daily Class - 7:30 PM

Q:) Which of the following angles can be setout with the help of a French cross staff?

A: 45° only

**B**: 90° only

C: Either 45° or 90°

D: Any angle



Daily Class – 7:30 PM

- Q:) Assertion (A): The base lines are usually much shorted than average length of the triangle sides.
- Reason (R): It is difficult and expensive to measure long base lines.
- Select the correct answer.
- A: Both A and R are true and R is the correct explanation
- B: A is true but R is false
- C: A is false but R is true
- D: A and R both are false



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Daily Class - 7:30 PM

Q:) The correction due to sag and pull are equalized by:

A: Normal equation

**B**: Normal pressure

C: Normal tension

D: All of these



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Daily Class - 7:30 PM

Q:) The length of a ranging rod should

be

A: 1.5 t 2.0 m

B: 2 to 3.0 m

C: 3 to 4.0 m

D: 2.5 to 4.5 m

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Daily Class – 7:30 PM

Q : ) The correction to be applied to each 30 meter chain length along  $\theta^{\rm o}$  slope is

••••••

A:30 (sec  $\theta$ -1) m

B: 30 ( $\sin \theta$  -1) m

 $C:30 (\cos \theta -1) m$ 

D: 30 (tan  $\theta$  -1) m



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Daily Class – 7:30 PM

Q:) Marking the end of chain length is an example of

A: Positive error

**B**: Negative error

**C**: Cumulative error

**D**: Compensating error



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Daily Class – 7:30 PM

Q:) Which of the following used in measuring perpendicular offset?

A: Cross staff

**B**: Optical square

C: Steel tape

D: All of these



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Daily Class – 7:30 PM

Q:) In compass survey, the dip of the needle at equator will be

A: Zero

B:90°

C: 45°

D: None of these



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Daily Class – 7:30 PM

Q:) Imaginary line joining the points of zero declination of the surface of earth is known as

A: Isogonic line

B: Isoclinic declination line

C: Magnetic declination line

D: Agonic line



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Daily Class - 7:30 PM

Q:) Axis method of traverse correction is used when

A: The lengths are measured very accurately

B: The angle are measured very accurately

C: The percentage error in angles and lengths is same

D: Neither angles nor lengths are measured accurately



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Daily Class - 7:30 PM

Q:) If the quadrant bearing of a line is S 35° W then the whole circle bearing of the line is

A:325°

B: 145°

C: 215°

D: 125°



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Daily Class – 7:30 PM

Q:) In the prismatic compass

A: The magnetic needle moves with the

box

B: The line of sight does not move with

the box

C: The magnetic needle and graduated circle is fixed to each other

D: The graduated circle is fixed to the box and the magnetic needle always remains in the N-S direction



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Daily Class – 7:30 PM

Q:) The temporary adjustment of prismatic compass is

A: Centering

**B**: Adjustment of levels

C: Adjustment of needle

D: Adjustment of vanes



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Daily Class - 7:30 PM

# Q:) A well conditioned triangle do not have any angle less than

A: 20°

B:30°

C: 45°

 $D:60^{\circ}$ 



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Daily Class – 7:30 PM

Q:) If the weight of an angle A is 3 and weight of angle B is 4, what will be the weight of (3A-B + 90°)

A: 1/7

**B**: **1** 

C: 4/13

D:91



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Daily Class - 7:30 PM

- Q:) Read the following statements.
- 1. Dip of a magnetic needle is its inclination with the ground surface.
- 2. In the northern hemisphere, the north end of the magnetic needle is deflected downward.
- 3. In the southern hemisphere, the north end of the magnetic needle is deflected downward.
- 4. The amount of dip varies in different parts of the earth.

#### The correct statement are:

A: 1 and 2 B: 1 and 3

C: 3 and 4 D: 2 and 4



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Daily Class - 7:30 PM

Q:) If an equation  $A + B = 55^{\circ}$  has a weight of 3, then the weight of  $180 - (A + 3)^{\circ}$ 

**B)** is:

A:3

B: 1/3

**C**:9

D: 1/9



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Daily Class – 7:30 PM

Q:) If "Fore bearing" of line is \$ 49° 52' E (assuming there is no local attraction), the 'Back bearing" of the lie will be:

A: \$52° 49'E

B: S 49° 52′E

C: N49° 08'E

D: N49° 52'W



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Daily Class – 7:30 PM

Q:) The horizontal angle between the true meridian and magnetic meridian at a place is known as:

A: Azimuth

**B**: Declination

C: Local attraction

D: Magnetic bearing



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Daily Class - 7:30 PM

Q:) In surveying measurements, the bearing taken in clockwise direction w.r.t. magnetic north are referred as

A: Magnetic meridian

**B**: True meridian

C: Whole circle bearing

D: Reduced bearing



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Daily Class - 7:30 PM

Q:) The closing error in a closed traverse

is adjusted by:

A: Lemann's rule

B: Slide rule

C: Bowditch's rule

D: Simpson's rule



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Daily Class – 7:30 PM

Q:) Rotation of a camera, at exposure, about the line of flight, is known as

A: Tip

B: Tilt

C: Swing

D: None of these

Daily Class - 7:30 PM

Q:) The standard meridian of India, is

A:35°

B:  $82\frac{1^0}{2}$ 

 $C: 67\frac{10}{2}$ 

D: 120°



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Daily Class – 7:30 PM

Q:) The angular distance of a heavenly body from the Zenith is known as

A: Co-altitude

**B**: Zenith distance

C: (a) and (b) both

D: Azimuth



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Daily Class - 7:30 PM

Q:) The motion of earth relative to the sun is in a plane incline at a angle of

A: 23°27'

B: 46°31'

C:33°27'

D: 27°16′



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Daily Class – 7:30 PM

Q:) The reference points on which a day's work is closed and from ehere levelling is continued the next day ar called as:

A: Temporary benchmarks

**B**: Arbitrary benchmarks

**C**: Permanent benchmarks

D: GTS benchmarks



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Daily Class – 7:30 PM

Q:) The point at which both foresight and back sight are taken during the course of levelling is called as:

A: Intermediate site

B: Benchmark

C: Station

D: Change point



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Daily Class - 7:30 PM

Q:) The curved surface which at every point is perpendicular to the direction of gravity at that point is known as

A: A level plane

B: A level surface

C: A horizontal surface

D: A vertical surface



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Daily Class – 7:30 PM

Q:) If a tripod settles in the interval that elapses between taking a back sight reading and the following foresight reading, then the elevation of turning point will

A: Increase

**B**: Decrease

C: Not change

D: May increase or decrease



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Daily Class – 7:30 PM

Q:) If the R.L. of a B.M. is 100.00 m, the back sight is 1.215 m and the foresight is 1.870 m, the R.L. of the forward station is

A: 99.345

B: 101.215

C: 100.665

D: 101.870



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Daily Class – 7:30 PM

- Q:) Two consecutive readings in the levelling data are 1.445 m and 1.995 m. The first is a foresight and the second is a back sight. Then,
- A: The rise from the first point to second point is 0.51 m.
- B: The fall from the first point to second point is 0.51 m
- C: The two readings are taken to the same point from two instrument stations
- D: The level difference between the two points is 3.410



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Daily Class – 7:30 PM

Q:) Dumpy level is most suitable when

A: The instrument is to be shifted

frequently

B: Fly leveling is being done over long

distance

C: Many readings are to be taken from a

sight setting of the instrument

D: All of the above



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Daily Class - 7:30 PM

Q:) The curvature and refraction corrections in the levelling are...... To the observed reading.

A: Both additive

**B**: Both subtractive

C: Subtractive and additive respectively

D: Additive and subtractive respectively



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Daily Class - 7:30 PM

Q:) "The following sights are taken on a

"Turning point":

A: Fore sight only

B: Back sight only

C: Fore sight and back sight

D: Fore sight and intermediate sight



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Daily Class – 7:30 PM

Q:) The rise and fall method for obtaining the reduced levels of points provides is check on:

A: Intermediate sight and back sight

B: Only back sight

C: Fore sight, back sight and

intermediate sight

D: Only foresight



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Daily Class – 7:30 PM

Q:) Two bubble tube A and B are filled with water and alcohol respectively. Which of the following is the correct statement?

A: Sensitivity of B is more than A

**B**: Sensitivity of A is more than B

C: Sensitivity of A and B are same

D: All of these



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Daily Class – 7:30 PM

# Q:) Two points C and D are on opposite banks of a river. The following reciprocal levels are taken with one level

#### Fine the true statements:

Level at	Stiff reading on	
	С	D
С	2.156 m	3.568 m
D	1.968 m	3.262 m

A: D is 1.535 m higher than C

B: C is 1.353 m higher than D

C: C is 1.412 m higher than D

D: C is 1.294 m higher than D



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Daily Class – 7:30 PM

Q:) The imaginary line joining the Centre of diaphragm and optical Centre of the objective of a telescope is called:

A: Axis of telescope

**B**: Line of collimation

C: Line of sight

D: None of these



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Daily Class - 7:30 PM

Q:) In levelling work, If  $\sum$  fall = zero then ground is:

A: Continuously rising

**B**: Continuously falling

**C**: Undulating

D: All of the above



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Daily Class – 7:30 PM

Q:) The least count of an ordinary levelly staff is:

A: 0.05 m

B: 0.001 m

C: 0.005 cm

D: 0.005 m



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Daily Class – 7:30 PM

# Q:) The number of horizontal cross hairs in a stadia diaphragm is

A:1

**B:2** 

**C**:3

D:4



Daily Class – 7:30 PM

Q:) The sensitiveness of a level tube decrease if.......

A: Radius of curvature of its surface is increased

**B**: Diameter of the tube is increased

C: Length of the vapour bubble is increased

D: Both viscosity and surface tension are increased



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Daily Class - 7:30 PM

Q:) Which of the following, closely represents the shape of the Earth?

A: Spheroid

**B**: Ellipsoid

C: Oblate spheroid

D: Prolate spheroid





Daily Class – 7:30 PM

Q:) The method of finding out the difference in elevation between two points for eliminating the effect of curvature and refraction, is

A: Reciprocal levelling

**B**: Precise levelling

**C**: Differential levelling

D: Flying levelling



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Daily Class - 7:30 PM

Q:) An internal focusing of telescope is focused by the movement of:

A: Convex lens

**B**: Concave lens

C: Plano-convex

D: Objective class



Daily Class - 7:30 PM

- Q:) The cross hairs in the surveying telescope are placed
- A: Midway between eye piece and objective hens
- B: Much closer to the eye-piece than to the objective lens
- C: Much farther to the eye-piece than to the objective lens
- D : Anywhere between eye-piece and objective lens



Daily Class – 7:30 PM

Q:) A vertical photograph was taken at an altitude of 1500 m above mean sea level. If the focal length of the cameral is 20 m, the scale of photograph for a terrain lying at an elevation of 500 m is

A:1:50

B:1:100

C:1:1000

D:1:25



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Daily Class – 7:30 PM

Q:) A planimeter is used for mechanically measuring

A: Altitude of a location above mean sea

level

B: Inclination of a slope

C: Pressure at a location

D: Area of plane map



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Daily Class - 7:30 PM

Q:) The apparatus required for measuring base line length using rigid bars, is:

A: Colby apparatus

B: Wheeler's base line apparatus

C: Both of the above

D: None of the above



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Daily Class – 7:30 PM

Q:) A total station can measure

A: Only distances electronically

B: Only horizontal angles accurately

C: Horizontal and vertical angles &

distances

D: Vertical angles & distance only



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Daily Class - 7:30 PM

Q:) In plane tabling the instrument used to measure horizontal and vertical distance directly, is known as .........

A: Plane alidade

B: Telescopic alidade

C: Tacheometer

**D**: Clinometer



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Daily Class – 7:30 PM

Q:) Which method would you apply for locating inaccessible points?

A: Method of radiation

**B**: Method of intersection

C: Both of the above

D: None of these



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Daily Class – 7:30 PM

Q:) Intersection method of detailed plotting is most suitable for:

A: Forests

B: Urban area

C: Hilly area

D: Plains



Daily Class – 7:30 PM

Q:) In plane tabling failure of fix occurs when:

A: The plane table is inside the great triangle

B: The plane table is inside the great circle

C: The plane table is outside the great circle

D: The plane table is on the great circle



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Daily Class – 7:30 PM

Q:) The accuracy with which the instrument station can be established in plane table survey is known as the:

A: Strength of accuracy

**B**: Strength of solution

C: Strength of fix

D: None of these



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Daily Class – 7:30 PM

Q:) The method of plane tabling commonly used for establishing the instrument station is:

A: Radiation method

**B**: Intersection method

C: Resection method

D: Traversing method



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Daily Class – 7:30 PM

Q:) In plane table surveying, the operation which must be carried out is:

A: Resection

**B**: Orientation

**C**: Intersection

**D**: Radiation



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Daily Class – 7:30 PM

Q:) The three point problem can be

solved by:

A L Tracing paper method

**B**: Bessel's method

C: Lehman's method

D: All of these



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Daily Class - 7:30 PM

**Q:**) Principle of plane tabling is:

A: Orientation

B: Parallelism

C: Levelling

D: Three point



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Daily Class - 7:30 PM

Q:) The quick and most accurate method to solve three point problem is resection type of plane tabling it:

A: Tracing paper method

**B**: Graphical method

C: Trial and error method

D: Both (1) & (2)



Daily Class – 7:30 PM

Q:) While surveying a [plot of land by plane tabling, the field observations

A: And plotting proceed simultaneously

**B**: And plotting do not proceed simultaneously

C: Are recorded in field book to be plotted later

D: None of these



Daily Class – 7:30 PM

Q:) The operation of revolving a plane table about its vertical axis so that all the lines on the sheet become parallel to the corresponding lines on the round is known as

A: Levelling

**B**: Centering

**C**: Orientation

D: Setting



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Daily Class – 7:30 PM

Q:) Orientation of plane-table, by solving two-point problem, is adopted only when

A: Saving of time is a main factor

B: Better accuracy is a main factor

C: Given points are inaccessible

D: None of these



Daily Class – 7:30 PM

- Q:) While working on a plane-table, the correct rule is
- A: Draw continuous line from all instrument stations
- B: Draw short rays sufficient to contain the points sought
- C: Intersection should be obtained by actually drawing the second ray
- D: None of these



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Daily Class - 7:30 PM

Q:) Which of the following instrument is not used for plane table survey?

A: Plumb bob

**B**: Theodolite

C: Spirit level

D: Alidade



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Daily Class - 7:30 PM

Q:) The line joining the points having

the same elevation:

A: Contour surface

**B**: Contour line

**C**: Contour interval

**D**: Contour gradient



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Daily Class – 7:30 PM

Q:) The slope between any two points on a contour map depends upon:

A: Contour interval only

**B**: Horizontal equivalent only

C: Contour interval and horizontal

equivalent both

D: None of these



Daily Class – 7:30 PM

- Q:) Select the correct statement:
- A: Contour interval on any map is not kept constant
- B: Direct method of contouring is cheaper than indirect method
- C: Indivisibility of points on a contour map can be ascertained
- D: Slope of a hill cannot be determined with the help of contours



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Daily Class – 7:30 PM

Q:) An imaginary line lying on the ground and maintaining a constant slope

is known as:

A: Contour line

**B**: Horizontal equivalent

**C**: Contour interval

D: Grade contour





Daily Class – 7:30 PM

Q:) Consider the following figure, which is an extract from a contour map (Scale = 1: 20,000) of an area. AN alignment of a road at a ruling gradient of 4% is to be fixed from the point O and beyond. What should be the radius of the arc with O as the centre to get the point of alignment of the next

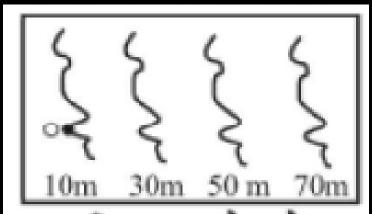
contour on the map?

A: 0.025 cm

B: 0.25 cm

C: 2.5 cm

D: 5.0 cm





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Daily Class - 7:30 PM

Q:) Contour lines of different elevation can unite to form one the line only in the case of

A: Plane ground

B: Cave

C: Vertical cliff

D: Valley



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Daily Class - 7:30 PM

Q:) When the contour lines having the same contour interval are father apart, it shows a:

A: Plane surface

B: Very steep slope

C: Gentle slope

D: A valley



Daily Class – 7:30 PM

# Q:) Theory of least squares can be represented as:

- $A: \sum e^2 = 0$
- $B: \sum We \delta e = 0$
- $C: \sum We^2 \delta e = Minimum$
- D:  $\sum 2We\delta e = Minimum$
- Where
- W = weight of an observation
- **E** = residual error



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Daily Class – 7:30 PM

Q:) For hilly region the ideal method pf contouring is

A: Direct method

**B**: Method of squares

C: Cross section method

D: Radial line method



Daily Class - 7:30 PM

#### Q:) The Bowditch method of adjustment of traverse is based on the assumption that:

$$\mathsf{A}:\mathsf{e_1} \propto \sqrt{\ell} \; \mathsf{and} \; e_2 \propto \frac{1}{\sqrt{\ell}}$$
  $\mathsf{B}:\mathsf{e_1} \propto \sqrt{\ell} \; \mathsf{and} \; e_2 \propto \sqrt{\ell}$ 

$$\mathsf{B}:\mathsf{e_1} arpropto \sqrt{\ell} \;\mathsf{and}\; e_2 arpropto \sqrt{\ell}$$

$$\mathsf{C}:\mathsf{e_1} arpropto rac{1}{\sqrt{\ell}} \mathsf{and} \; e_2 arpropto \sqrt{\ell}$$

$$\mathsf{D}:\mathsf{e_1} arpropto rac{1}{\sqrt{\ell}} \, \mathsf{and} \, e_2 arpropto \, rac{1}{\sqrt{\ell}}$$

Where e<sub>1</sub> and e<sub>2</sub> are errors in linear and angular measurement respectively and I is the length of line:



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Daily Class - 7:30 PM

# Q:) Match the List-I (tool/instrument) with List-II (method of surveying) and select the correct answer using the codes given in lists:

List-I (Tool / instrument)	List-II (Method of surveying)
A. Alidade	1. Chain surveying
B. Arrow	2. Levelling
C. Bubble tube	3. Plane table surveying
D. Stadia hair	4. Theodolite surveying

A: 3, 2, 1, 4

B: 2, 4, 3, 1

C: 1, 2, 4, 3

D: 3, 1, 2, 4



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Daily Class – 7:30 PM

Q:) The substance bar can be used to measure:

A: Horizontal angle

**B**: Horizontal distance

C: Vertical angle

D: Vertical distance



Daily Class – 7:30 PM

Q:) In a closed loop traverse of 1 km total length the closing errors in departure and latitude are 0.3 m and 0.4 m. respectively. The relative precision of this traverse will be

A:1:5000

B:1:4000

C:1:3000

D:1:2000



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Daily Class – 7:30 PM

Q:) Analectic lens provided in a

tacheometer is

A: Concave lens

**B**: Convex lens

C: Plano convex lens

D: Plane lens



Daily Class – 7:30 PM

- Q:) The tangential method of tacheometery is
- A: Slower than stadia hair method
- B: Faster than stadia hair method
- C: Preferred as involves less computations to het reduced distance
- D: Preferred as chances of operational error are less compared to stadia



Daily Class – 7:30 PM

Q:) It is the axis about which the instrument can be rotated in a horizontal plane.

A: Trunnion axis

**B**: Horizontal axis

C: Axis of the telescope

D: Vertical axis



Daily Class – 7:30 PM

- Q:) While using total station, the vertical angle is usually measured as a zenith angle
- A: 0° vertically up, 90° horizontal and
- 180° vertically down
- B: 0° vertically down, 90° horizontal and
- 180° vertically up
- C: 0° horizontal, 90° vertical down and
- 180° vertically up
- D: None of these

## Heartiest Congratulations To All Selected Candidates From EverExam





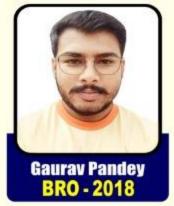
















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## ALL STATE JE / AE RESULT































