



ANSWER KEY

**QUIZ NO: 777** 

**TOPIC: SURVEYING** 

**DATE: 23/11/2023** 

1.	The shrinkage factor of an old map is 24/25 and the RF is 1/2400. The
	corrected scale of the map is

- [A] 1/2500
- [B] 1/600
- [C] 1/2400
- [D] 1/25000

**Answer: A** 

#### 2. A 50 m tape is held 2 m out of line. What is the true length?

- [A] 48.02 m
- [B] 48 m
- [C] 49.02 m
- [D] 49.96 m

Answer: D





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- 3. Contour interval, within the limits of a map:
  - [A] May be kept constant
  - [B] Must be kept constant
  - [C] May not be kept constant
  - [D] May vary according to the configuration

**Answer: B** 

4. Assertion A: The magnetic bearings of different lines cannot be regarded as fixed.

Reason R: The magnetic meridian changes its direction due to variation from time to time, the magnetic bearings of the survey line also change.

- [A] Both A and R are true and R is the correct explanation of A
- [B] Both A and R are true but R is not the correct explanation of A
- [C] A is true but R is false
- [D] A is false but R is true

**Answer: A** 

- 5. During chaining along a straight line with a 20 m chain, the leader of the party has 4 arrows in his hand while the follower has 6 arrows. Distance of the follower from the starting point is
  - [A] 4 chains
  - [B] 6 chains
  - [C] 8 chains
  - [D] 12 chains

**Answer: B** 

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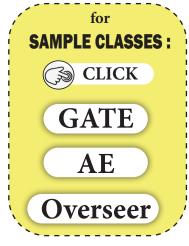


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# 6. Relation between Radius 'R' and degree of curve D in curve setting for 20 m chain is:

[A] 
$$R = 20/D$$

[B] 
$$R = 20 D$$

$$[C] R = 1719/D$$

$$[D] R = 1146/D$$

**Answer: D** 

#### 7. Sextant is used to measure

- [A] Horizontal angle
- [B] Vertical angle
- [C] Both A and B
- [D] Horizontal distance and vertical distance

**Answer: C** 

#### 8. Latitude of a line is defined as

- [A] Orthographic projection of a survey line on E-W line
- [B] Orthographic projection of a survey line on the reference meridian
- [C] Length of a survey line corrected for various chain/tape corrections
- [D] None of the above

Answer: B





ANSWER KEY

9.	The angle	between	observer's	meridian	and	declination	circle	is	given	by
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- [A] Azimuth
- [B] Hour Angle
- [C] Bearing
- [D] Declination

**Answer: B** 

10. The imaginary sphere on which stars appear to lie is known as

- [A] Oblate spheroid
- [B] Zenithal sphere
- [C] Astronomical sphere
- [D] Celestial sphere

**Answer: D** 

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