

**QUIZ NO: 454**

**TOPIC: SURVEY**

**DATE: 13/06/2021**

**1. Gunter's chain is having a length of :**

- [A] 100 feet
- [B] 66 feet
- [C] 100 meters
- [D] 66 meters

**Answer: B**

**2. Reciprocal ranging is resorted to when the ends of the chain line are not invisible due to :**

- [A] High ground
- [B] Very tall building
- [C] Thick forest
- [D] Very long distance

**Answer: A**

3. The reduced bearing of a line is South  $47^{\circ}-26'$  West. Its whole circle bearing is :

[A]  $132^{\circ}-34'$

[B]  $137^{\circ}-26'$

[C]  $42^{\circ}-34'$

[D]  $227^{\circ}-26'$

**Answer: D**

4. In a closed traverse, the sum of the South latitudes exceeds the sum of the North latitudes and the sum of the East departures exceeds the sum of the West departures. Then the closing line will lie in the :

[A] N-W quadrant

[B] N-E quadrant

[C] S-W quadrant

[D] S-E quadrant

**Answer: D**

5. The combined correction for curvature and refraction for a distance of 1400 m is

[A] 0.153 m

[B] 0.132 m

[C] 0.094 m

[D] 0.021 m

**Answer: B**

**6. Sensitiveness of a bubble tube can be increased by:**

- [A] Increasing the viscosity of the fluid
- [B] Decreasing the diameter of the bubble tube
- [C] Decreasing the radius of curvature of the tube
- [D] Increasing the length of the tube.

**Answer: D**

**7. The branch of surveying in which the horizontal and vertical distances are obtained by instrumental observations only is called:**

- [A] Chain survey
- [B] Compass survey
- [C] Plane table survey
- [D] Tacheometry

**Answer: D**

**8. The imaginary line passing through the intersection of the cross hairs and the optical centre the objective is known as:**

- [A] Vertical axis
- [B] Line of collimation
- [C] Axis of the telescope
- [D] All the above

**Answer: B**

9. The bearing of lines OA and OB are  $16^{\circ}-10'$  and  $332^{\circ}-18'$  respectively.

The value of the included angle BOA is

[A]  $316^{\circ}-10'$

[B]  $158^{\circ}-28'$

[C]  $348^{\circ}-28'$

[D]  $43^{\circ}-52'$

**Answer: D**

10. An instrument to measure area of irregular boundaries

[A] Planimeter

[B] Pentograph

[C] Clinometer

[D] Pedometer

**Answer: A**

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