

**QUIZ NO: 799**

**TOPIC: SURVEYING**

**DATE: 24/02/2024**

1. Upper plate of a theodolite is attached to \_\_\_\_\_

- [A] Inner spindle
- [B] Outer spindle
- [C] Axis of telescope
- [D] Trunnion axis

**Answer: A**

2. When the line of sight is perpendicular to the vertical axis, the vertical circle must read \_\_\_\_\_

- [A]  $0^{\circ}$
- [B]  $1^{\circ}$
- [C]  $90^{\circ}$
- [D] Any angle is possible

**Answer: A**

**3. The process of turning telescope of theodolite in vertical plane through  $180^\circ$  about its horizontal axis is called \_\_\_\_\_**

- [A] Transiting
- [B] Plunging
- [C] Reversing
- [D] All of these

**Answer: D**

**4. Least count of transit theodolite is \_\_\_\_\_**

- [A] 10'
- [B] 30"
- [C] 20'
- [D] 20"

**Answer: D**

**5. A long sensitive bubble tube which is attached to the top of the T-frame in a theodolite is called \_\_\_\_\_ bubble tube**

- [A] Longitude
- [B] Altitude
- [C] Latitude
- [D] Striding

**Answer: B**

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6. A line joining the optical centre of the object glass and the centre of eye piece, is known as \_\_\_\_\_

- [A] Axis of telescope
- [B] Axis of instrument
- [C] Line of collimation
- [D] Line of sight

**Answer: A**

7. Which of the following method is used for measuring horizontal angles accurately using a theodolite?

- [A] Radiation
- [B] Repetition
- [C] Reiteration
- [D] Traversing

**Answer: B**

8. The error eliminated by taking mean of both face observations is \_\_\_\_\_

- [A] Error due to eccentricity of verniers
- [B] Error due to imperfect adjustments of levels
- [C] Error due to line of collimation not being perpendicular to horizontal axis
- [D] Error in graduation

**Answer: C**

9. When the cross hairs are not clearly visible \_\_\_\_\_

- [A] Eye piece should be focussed
- [B] Eye piece should be cleaned
- [C] Both eye piece and objective should be focussed
- [D] Objective should be focussed

**Answer: A**

10. A 25 cm theodolite means \_\_\_\_\_

- [A] The dia of the vertical circle is 25 cm
- [B] The dia of the lower graduated circle is 25 cm
- [C] The dia of object glass is 25 cm
- [D] The height of standard is 25 cm

**Answer: B**

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