

3th nov,
SATURDAY

MINOR INSTRUMENTS

1. Abney Level.

It is used for measurement of difference in level and tracing contour.

2. Abney Clinometer

It is used for measurement of slopes and setting grade.

3. Tangent Clinometer

To find RL difference by measuring through inclined line of sight. It is suitable for plane table surveying.

4. Ceylon Ghat Tracer

It is used for measuring slopes and especially setting the grades.

5. Pantagraph

It is used for reproducing, enlarging and reducing the maps.

6. Sextant

It is used for measurement of horizontal and vertical angles.

a) Natural Sextant : used in ships for navigation purposes

b) Box Sextant : used in plane ^{table} & chain survey for measurement of slopes.

7. Mining Dial.

It is the combination of theodolite and prismatic compass and used for mining surveys.

10. Planimeter

used for measurement of areas on the plan.

11. Stream Gauge.

It is used to measure the discharge of a stream.

12. Tellurometer

It is a microwave EDM used for linear measurement.

13. Heliograph.

It is used as a sun signal in triangulation survey.

14. Fathometer

It is used to measure the depth of ocean.

15. Altimeter

Height measuring equipment.

16. Tide Gauge.

To determine water level and its variations.

17. Distomat.

EDM used for accurate linear measurements.

18. Brunton's Compass

Combination of prismatic compass and clinometer used for measurement of bearing and vertical angles.

19. Eidograph.

Improved version of pantagraph.