

reference to the observer.
clockwise

[ESM421] _____ is a pre-field work and measurement phase
Reconnaissance survey

[ESM421] _____ with the compass involves taking the bearing along a series of connecting straight lines and in the same time measuring the distances with the tape.
Traversing

[ESM421] The reference North may be true or _____
magnetic

[ESM421] _____ is an optical instrument used to take offsets at right angles from the chain lines.
Optical Squares

[ESM421] _____ survey depicts the hills, valleys, mountains, rivers, and man made features (roads, houses, settlements on the surface of the earth).
Topographic

[ESM421] _____ survey is suitable on an open and well level piece of land with non-simple details; where large scale plans/maps are needed and, where the area is small in extent.
Chain

[ESM421] In _____ horizontal angular measurements are made using magnetic compass with the linear measurements made using the chain or tape.
Compass Surveying

[ESM421] _____ surveying is surveying in a small extent hence the earth's surface is assumed to be a plane and the curvature of the earth is ignored.
Plane

[ESM421] The act of establishing the elevation of points on or below the surface of the earth is called _____
differential levelling

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