

Unit 7 - Week 6

Course outline
How does an NPTEL online course work?
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<input type="radio"/> Other Errors in Total Station
<input type="radio"/> Errors and Quality of Surveying Measurements
<input type="radio"/> Error Propagation and Survey Specifications
<input type="radio"/> Basics of Vertical Representation
<input type="radio"/> Contouring
<input type="radio"/> Quiz : Assessment 6
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Assessment 6

The due date for submitting this assignment has passed.
As per our records you have not submitted this assignment.

Due on 2020-04-08, 23:59 IST.

- 1) Types of errors in any measurements is 1 point
 - 2
 - 3
 - 4

No, the answer is incorrect.
Score: 0
Accepted Answers:
3
- 2) Joining of contour lines can be done to represent 1 point
 - Steep hills
 - Gentle hill
 - Vertical hill
 - Pond

No, the answer is incorrect.
Score: 0
Accepted Answers:
Vertical hill
- 3) Improper set up of instrument, improper use of different screws are associated with 1 point
 - Distance error
 - Peripheral error
 - Natural error
 - Personal error

No, the answer is incorrect.
Score: 0
Accepted Answers:
Personal error
- 4) Peripheral errors arises out of 1 point
 - Tripod settlement
 - Unsteady tripod
 - Poor focusing
 - Scale error

No, the answer is incorrect.
Score: 0
Accepted Answers:
Unsteady tripod
- 5) Indicator for quality of any set of measurements is 1 point
 - Precision
 - Relative Precision
 - Accuracy
 - Standard error

No, the answer is incorrect.
Score: 0
Accepted Answers:
Precision
- 6) 95% confidence interval is associated with _____ times the standard error from mean of the set of measurements 1 point
 - ±1.645
 - ±1.960
 - ±2.576
 - ±0.647

No, the answer is incorrect.
Score: 0
Accepted Answers:
±1.960
- 7) Number of primary control stations present in a project site 1 point
 - More than both secondary and tertiary control stations
 - More than secondary but less than tertiary control stations
 - Less than secondary but more than tertiary control stations
 - Less than both secondary and tertiary control stations

No, the answer is incorrect.
Score: 0
Accepted Answers:
Less than both secondary and tertiary control stations
- 8) Indicator for precision/accuracy of heights in topographic map is 1 point
 - Standard error
 - Standard deviation
 - 68% uncertainty
 - Contour interval

No, the answer is incorrect.
Score: 0
Accepted Answers:
Contour interval
- 9) A set of widely separated closed contours with higher values inside, depicts a 1 point
 - cliff
 - pond
 - hill
 - gorge

No, the answer is incorrect.
Score: 0
Accepted Answers:
hill
- 10) To improve the representation of contours in a map, every _____ contour should made bold 1 point
 - Third
 - Fourth
 - Fifth
 - Sixth

No, the answer is incorrect.
Score: 0
Accepted Answers:
Fifth
- 11) Assumptions for statistical analysis of random errors are 1 point
 - Frequency of small differences in measurement from the mean value are more than their large differences
 - Differences are equal in frequency on either side of mean value
 - Large variations are rampant

No, the answer is incorrect.
Score: 0
Accepted Answers:
Frequency of small differences in measurement from the mean value are more than their large differences
Differences are equal in frequency on either side of mean value
- 12) Identify the correct statements 1 point
 - Precision of computed parameters depends on standard errors of measurement parameters and their error propagation
 - Propagation of error from angles based on their standard error in degrees
 - For quality control, surveying measurement and works should be associated with some standard specifications

No, the answer is incorrect.
Score: 0
Accepted Answers:
Precision of computed parameters depends on standard errors of measurement parameters and their error propagation
For quality control, surveying measurement and works should be associated with some standard specifications
- 13) Contour interval of a topographic map 1 point
 - varies directly with the scale of the map
 - is the vertical distance between any two contour lines
 - is fixed
 - represents the accuracy of vertical height

No, the answer is incorrect.
Score: 0
Accepted Answers:
is the vertical distance between any two contour lines
is fixed
represents the accuracy of vertical height
- 14) Identify the correct statements: Contours are represented in a map 1 point
 - by joining points of equal elevations
 - making use of linear interpolation between spot heights
 - automated contouring makes use of triangulated irregular network model
 - Assuming non-uniform slope between two contours

No, the answer is incorrect.
Score: 0
Accepted Answers:
by joining points of equal elevations
making use of linear interpolation between spot heights
automated contouring makes use of triangulated irregular network model
- 15) Zero error, scale error and cycle error causes error in 1 point
 - Horizontal angle
 - Vertical angle
 - Horizontal distance
 - Vertical distance

No, the answer is incorrect.
Score: 0
Accepted Answers:
Horizontal distance
Vertical distance