

Unit 9 - Week 8

Course outline
How does an NPTEL online course work?
Week 1
Week 2
Week 3
Week 4
Week 5
Week 6
Week 7
Week 8
<ul style="list-style-type: none"> Establishment of Control Point Detailing of Digital Land Surveying Demonstration of Digital Land Survey Detailing Data Preparation and Map Making
<input type="radio"/> Overview of the Course <input checked="" type="radio"/> Quiz : Assessment 8
Download Videos
Weekly Feedback

Assessment 8

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

Due on 2020-04-22, 23:59 IST.

- 1) Quality of raw GPS measurements primarily depend on 1 point
- Antenna
 Receiver
 Field software
 Instrument set up
- No, the answer is incorrect.**
Score: 0
Accepted Answers: Antenna
- 2) Software which provides most accurate GPS positioning is 1 point
- Field software
 Real time processing software
 Commercial post-processing software
 Scientific software
- No, the answer is incorrect.**
Score: 0
Accepted Answers: Scientific software
- 3) To establish the position of a total station by method of resection, minimum number of known location is 1 point
- 1
 2
 3
 4
- No, the answer is incorrect.**
Score: 0
Accepted Answers: 2
- 4) Least square method for GPS network adjustment consists of ____ broad steps 1 point
- 2
 3
 4
 5
- No, the answer is incorrect.**
Score: 0
Accepted Answers: 3
- 5) The standard for GPS Surveying is designated in terms of _____ of the average of the set of squared differences between data set coordinate values and the true or theoretical location of the point obtained preferably from an independent source of higher accuracy. 1 point
- Standard Deviation
 Root Mean Square Error
 Average Deviation from Mean
 Mean
- No, the answer is incorrect.**
Score: 0
Accepted Answers: Root Mean Square Error
- 6) For good quality GPS observation, DOP value should be 1 point
- As large as possible
 As little as possible
 More than 8
 May be of any value
- No, the answer is incorrect.**
Score: 0
Accepted Answers: As little as possible
- 7) Indicator for quality of any set of measurements is 1 point
- Accuracy
 Precision
 Relative Precision
 Standard error
- No, the answer is incorrect.**
Score: 0
Accepted Answers: Precision
- 8) In digital land surveying and mapping, total station is used for 1 point
- Establishment of control points
 collection of field data
 Reduction of field data
 Preparation of map
- No, the answer is incorrect.**
Score: 0
Accepted Answers: collection of field data
- 9) Identical constellation of satellites is available over an observation station in consecutive day also but _____ minutes earlier than the previous day. 1 point
- 2
 3
 4
 5
- No, the answer is incorrect.**
Score: 0
Accepted Answers: 4
- 10) Methods used for collection of digital field data is 1 point
- Radiation
 Intersection
 Traversing
 Resection
- No, the answer is incorrect.**
Score: 0
Accepted Answers: Radiation
- 11) (i) GPS Surveying can be carried out without clear line of sight between stations;
(ii) GPS Surveying can be carried out at night;
(iii) GPS Surveying can be carried out underground;
(iv) GPS Surveying can be carried out in poor weather conditions.
Of these correct statements are: 1 point
- (i) & (ii)
 (i), (ii) & (iii)
 (ii), (iii) & (iv)
 (i), (ii) & (iv)
- No, the answer is incorrect.**
Score: 0
Accepted Answers: (i) & (ii)
(i), (ii) & (iv)
- 12) Quality of GPS Field Data judged from 1 point
- Availability of required pseudo-ranges and phase-observables of all the frequencies of GPS signal
 Lower the Signal to noise ratio, better is the quality of signal
 Higher is the Occurrence and presence of Cycle slip, better is the quality of signal
 Higher the Correlation among different signals, better is the quality of data
- No, the answer is incorrect.**
Score: 0
Accepted Answers: Availability of required pseudo-ranges and phase-observables of all the frequencies of GPS signal
Higher the Correlation among different signals, better is the quality of data
- 13) Following parameters are required to obtain elevation automatically from total Station 1 point
- Reflector
 Instrument
 Known points
 Tripod
- No, the answer is incorrect.**
Score: 0
Accepted Answers: Reflector
Instrument
Known points
- 14) The important factors required to be considered for preparation of surveying maps are 1 point
- Scales
 Plotting accuracy
 Generalization of details
 Contour interval
- No, the answer is incorrect.**
Score: 0
Accepted Answers: Scales
Plotting accuracy
Generalization of details
Contour interval
- 15) Data transformation for digital map making consists of 1 point
- Local coordinates to global coordinates
 Global coordinates to local coordinates
 Geodetic heights to orthometric heights
 Orthometric heights to geodetic heights
- No, the answer is incorrect.**
Score: 0
Accepted Answers: Global coordinates to local coordinates
Geodetic heights to orthometric heights
- 16) Digital map making consists of preparation of 1 point
- Planimetric map and contour map
 Planimetric map and topographic map
 Planimetric map, contour map and topographic map
 Planimetric map, contour map followed by their registration
- No, the answer is incorrect.**
Score: 0
Accepted Answers: Planimetric map and topographic map
Planimetric map, contour map and topographic map
Planimetric map, contour map followed by their registration
- 17) Conditions for most accurate GPS positioning are 1 point
- Static Positioning
 Baseline Processing
 Broadcast Ephemerides
 Scientific Software
- No, the answer is incorrect.**
Score: 0
Accepted Answers: Static Positioning
Baseline Processing
Scientific Software
- 18) Information required for planimetric map of an area are: 1 point
- Horizontal Control Points
 Vertical Control Points
 Permanent building/structure
 Height of points
- No, the answer is incorrect.**
Score: 0
Accepted Answers: Horizontal Control Points
Permanent building/structure
- 19) Salient steps for digital land surveying and mapping consists of 1 point
- planning
 Preparation
 data collection
 data reduction
- No, the answer is incorrect.**
Score: 0
Accepted Answers: planning
data collection
data reduction
- 20) Office software are required to 1 point
- (i) Build an interface between the field and office computers;
 (ii) Download data from field computer to office computer;
 (iii) Upload office data/existing map from office computer to field computer;
 (iv) Process GPS data in real time in field computer;
 (v) Post-process GPS data in office computer.
- Of these correct statements are:
- (i) & (ii)
 (ii) & (iii)
 (iii) & (iv)
 (iv) & (v)
- No, the answer is incorrect.**
Score: 0
Accepted Answers: (i) & (ii)
(ii) & (iii)
(iii) & (iv)
(iv) & (v)