

Unit 6 - Week 5: Forest Surveying

Course outline

How does an NPTEL online course work?

Week 1: Introduction

Week 2: Basics of Silviculture

Week 3: Forest Soils

Week 4: Forest Mensuration

Week 5: Forest Surveying

- Lecture 13: Classical Tools
- Lecture 14: Photogrammetry
- Lecture 15: LiDAR
- Quiz : Assignment (5)
- Feedback Form for Week-5
- Solution of Assignment (5)

Week 6: Forest Protection

Week 7: Silvicultural Management - I

Week 8: Silvicultural Management - II

Week 9: Logging and Yield

Week 10: Silvicultural Practices

Week 11: Newer Trends in Forestry

Week 12: Revision

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Assignment (5)

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

Due on 2020-03-04, 23:59 IST.

1) _____ is how close the measured values are to the correct value.

1 point

- ☐ Accuracy
- ☐ Precision
- ☐ Bias
- ☐ Variance

No, the answer is incorrect.
Score: 0

Accepted Answers:
Accuracy

2) IMU stands for

1 point

- ☐ Imperial metering unit
- ☐ Inertial metering unit
- ☐ Imperial measurement unit
- ☐ Inertial measurement unit

No, the answer is incorrect.
Score: 0

Accepted Answers:
Inertial measurement unit

3) Which of these is correct?

1 point

- ☐ Plane surveying takes into account the true shape of the Earth and is used for smaller areas (< 250 sq km)
- ☐ Plane surveying takes into account the true shape of the Earth and is used for larger areas (> 250 sq km)
- ☐ Geodetic surveying takes into account the true shape of the Earth and is used for smaller areas (< 250 sq km)
- ☐ Geodetic surveying takes into account the true shape of the Earth and is used for larger areas (> 250 sq km)

No, the answer is incorrect.
Score: 0

Accepted Answers:
Geodetic surveying takes into account the true shape of the Earth and is used for larger areas (> 250 sq km)

4) Plots as topographical units are used in

1 point

- ☐ hills
- ☐ plains
- ☐ deserts
- ☐ tundra

No, the answer is incorrect.
Score: 0

Accepted Answers:
hills

5) _____ is how close the measured values are to each other.

1 point

- ☐ Accuracy
- ☐ Precision
- ☐ Bias
- ☐ Variance

No, the answer is incorrect.
Score: 0

Accepted Answers:
Precision

6) A list of sampling units will be called a

1 point

- ☐ frame
- ☐ window
- ☐ sample
- ☐ population

No, the answer is incorrect.
Score: 0

Accepted Answers:
frame

7) “This sampling employs a simple rule of selecting every kth unit starting with a number chosen at random from 1 to k as the random start.” We’re talking about

1 point

- ☐ Simple random sampling
- ☐ Systematic sampling
- ☐ Stratified sampling
- ☐ Multistage sampling

No, the answer is incorrect.
Score: 0

Accepted Answers:
Systematic sampling

8) The frequency of flyovers is an indicator of

1 point

- ☐ spatial resolution
- ☐ temporal resolution
- ☐ spectral resolution
- ☐ radiometric resolution

No, the answer is incorrect.
Score: 0

Accepted Answers:
temporal resolution

9) The time of flight for LiDAR is 0.00001 sec. Find the distance of the object from the instrument.

1 point

- ☐ 500 m
- ☐ 1000 m
- ☐ 1500 m
- ☐ 2000 m

No, the answer is incorrect.
Score: 0

Accepted Answers:
1500 m

10) Bathymetric LiDAR uses

1 point

- ☐ far infrared light
- ☐ near infrared light
- ☐ orange light
- ☐ green light

No, the answer is incorrect.
Score: 0

Accepted Answers:
green light