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NPTEL

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Announcements

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Unit 5 - Week 4: Tree Height

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Course outline

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Assignment-04

The due date for submitting this assignment has passed.

As per our records you have not submitted this assignment. **Due on 2019-03-27, 23:59 IST.**

1) The distance along the stem axis between the base point and the stem tip is called **2 points**

- tree height
- stem height
- stem length
- basal length

No, the answer is incorrect.

Score: 0

Accepted Answers:

stem length

2) The distance from the base of the tree to the base of the first living branch that forms a part of the tree crown is called **2 points**

- tree height
- bole height
- merchantable height
- merchantable stem height

No, the answer is incorrect.

Score: 0

Accepted Answers:

bole height

3) Choose the correct formula: **2 points**

- Total height > Bole height + Crown length
- Total height = Bole height + Crown length
- Total height = Bole height + 2 × Crown length

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Forest Biometry
: Feedback For
Week 4

Week 5: Tree
canopy

Week 6: Basal
area

Week 7: Volume

Week 8:
Measurement of
other attributes

- similar measurement
 dissimilar measurement
 direct measurement
 indirect measurement

No, the answer is incorrect.

Score: 0

Accepted Answers:

indirect measurement

5) For a tree, the staff length is 4 m and the length of hypsometer is 33 cm. We measure h' , the height subtended on the hypsometer by the staff, to be 11 cm. Find the height of the tree. **2 points**

- 10 m
 11 m
 12 m
 13 m

No, the answer is incorrect.

Score: 0

Accepted Answers:

12 m

6) A rangefinder is used to take measurements for a tree. The top of a tree is at a distance of 25 ft and the tree itself is at a distance of 20 ft. If the instrument is kept at a height of 5 ft, find the height of the tree. **2 points**

- 10 ft
 15 ft
 20 ft
 25 ft

No, the answer is incorrect.

Score: 0

Accepted Answers:

20 ft

7) The time of flight for LiDAR is 0.00001 sec. Find the distance of the object from the instrument. **2 points**

- 500 m
 1000 m
 1500 m
 2000 m

No, the answer is incorrect.

Score: 0

Accepted Answers:

1500 m

8) IMU stands for **2 points**

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

No, the answer is incorrect.

Score: 0

Accepted Answers:

Inertial measurement unit

9) A rotating mirror in scanner will give __ pattern on ground

2 points

- sawtooth
- parallel lines
- elliptical
- triangular



No, the answer is incorrect.

Score: 0

Accepted Answers:

elliptical

10) Bathymetric LiDAR uses

2 points

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

No, the answer is incorrect.

Score: 0

Accepted Answers:

green light

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