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Courses » Forest Biometry

Announcements

Course

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# Unit 8 - Week 7: Volume

Register for Certification exam

## Course outline

How to access the portal

Week 1: Introduction

Week 2: Tree form

Week 3: Tree Diameter

Week 4: Tree Height

Week 5: Tree canopy

Week 6: Basal area

Week 7: Volume

- Lecture 31: Volume: Direct calculations through sections
- Lecture 32: The Quarter - girth formula
- Lecture 33: Volume computations in the field

## Assignment-07

The due date for submitting this assignment has passed.

As per our records you have not submitted this assignment. **Due on 2019-04-17, 23:59 IST.**

1)  $V = (s_1 + s_2) / 2 \times l$  is

2 points

- Smalian's formula
- Newton's formula
- Huber's formula
- Behre's formula

No, the answer is incorrect.

Score: 0

Accepted Answers:

Smalian's formula

2) Newton's formula is mostly used in field situations. This statement is

2 points

- true
- false

No, the answer is incorrect.

Score: 0

Accepted Answers:

false

3) Quarter-girth volume  $\approx$  \_\_\_% of Huber's volume

2 points

- 72.5
- 75.5
- 78.5
- 81.5

No, the answer is incorrect.

Score: 0

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Assignment-07

 Forest Biometry  
: Feedback For  
Week 7 Assignment-7  
Solution**Week 8:  
Measurement of  
other attributes**

- .235 cum
- .245 cum
- data insufficient

**No, the answer is incorrect.****Score: 0****Accepted Answers:***.225 cum*

5) A local volume table gives volumes in terms of

**2 points**

- diameter
- height
- form factor
- diameter, height and form factor

**No, the answer is incorrect.****Score: 0****Accepted Answers:***diameter*

6) A list of sampling units will be called a

**2 points**

- frame
- window
- sample
- population

**No, the answer is incorrect.****Score: 0****Accepted Answers:***frame*

7) Plots as topographical units are used in

**2 points**

- hills
- plains
- deserts
- tundra

**No, the answer is incorrect.****Score: 0****Accepted Answers:***hills*

8) "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

**2 points**

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

**No, the answer is incorrect.****Score: 0****Accepted Answers:***Systematic sampling*

9) For which sampling is it difficult to calculate sampling intensity?

2 points

- Systematic sampling
- Stratified sampling
- Multistage sampling
- PPS sampling

No, the answer is incorrect.

Score: 0

Accepted Answers:

PPS sampling

10) A large stack of katha billets has the following measurements: Find its volume using the quarter-girth formula.

2 points

S. No.	Mid girth (cm)	# billets	Length of billets (m)
1	24	250	1.21
2	35	102	1.35
3	32	53	1
4	67	25	1.12
5	82	12	1.12
6	90	18	1.15

- 4.08
- 4.48
- 4.88
- 5.28

No, the answer is incorrect.

Score: 0

Accepted Answers:

4.88

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