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Courses » Forest Biometry

Announcements

Course

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## Unit 3 - Week 2: Tree form

Register for Certification exam

### Course outline

How to access the portal

Week 1: Introduction

Week 2: Tree form

Lecture 06: Shape of a tree: Form and Taper

Lecture 07: Metzger's theory

Lecture 08: Form factor and form quotients

Lecture 09: Taper equations

Lecture 10: Making the cuts

Quiz : Assignment-02

Forest Biometry : Feedback For Week 2

Assignment-2 Solution

### Assignment-02

The due date for submitting this assignment has passed.

As per our records you have not submitted this assignment. **Due on 2019-03-13, 23:59 IST.**

1) In Behre's hyperbolic formula:

$$D / DBH = L / (AL + B)$$

A and B satisfy the relation

A + B = 1

A - B = 1

A × B = 1

A / B = 1

**No, the answer is incorrect.**

**Score: 0**

**Accepted Answers:**

*A + B = 1*

2 points

2) A forked tree with severe rot has form:

acceptable form

perfect form

unacceptable form

depends on the site quality

**No, the answer is incorrect.**

**Score: 0**

**Accepted Answers:**

*unacceptable form*

2 points

3) The height of a tree and its diameters at various heights are given in fig 2.1 for volume calculations. The length of the bottom-most section is taken to be:

2 points

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Week 6: Basal area

Week 7: Volume

Week 8: Measurement of other attributes

ce De

Score: 0

Accepted Answers:

2.74 m

4) The length of the second section from bottom is: **2 points**

- 2 m
- 2.54 m
- 2.74 m
- 3 m

No, the answer is incorrect.

Score: 0

Accepted Answers:

3 m

5) The length of the top-most section is. **2 points**

- 2 m
- 2.26 m
- 2.56 m
- 3 m

No, the answer is incorrect.

Score: 0

Accepted Answers:

2.26 m

6) The volume of the top-most section is (rounded off) **2 points**

- 0.002 cum
- 0.003 cum
- 0.004 cum
- 0.005 cum

No, the answer is incorrect.

Score: 0

Accepted Answers:

0.003 cum

7) The volume of the bottom-most section is (rounded off) **2 points**

- 0.1 cum
- 0.2 cum
- 0.3 cum
- 0.4 cum

No, the answer is incorrect.

Score: 0

Accepted Answers:

0.2 cum

8) For a tree with dbh = 45.6 cm, height = 27 m and total stem volume of 1.78 cum, volume of cylinder for calculation of artificial form factor is **2 points**

- 4.0 cum
- 4.2 cum

4.4 cum

4.6 cum

**No, the answer is incorrect.**

**Score: 0**

**Accepted Answers:**

*4.4 cum*

9) The artificial form factor for the tree is:

**2 points**

0.1

0.2

0.3

0.4

**No, the answer is incorrect.**

**Score: 0**

**Accepted Answers:**

*0.4*

10) For absolute form factor, the reference for the base of the cylinder is

**2 points**

base of the tree

breast height

10% of tree height

20% of tree height

**No, the answer is incorrect.**

**Score: 0**

**Accepted Answers:**

*base of the tree*

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