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## Unit 4 - Week 3: Tree Diameter

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### Course outline

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Assignment-03

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## Assignment-03

The due date for submitting this assignment has passed.

As per our records you have not submitted this assignment. **Due on 2019-03-20, 23:59 IST.**

1) As you move from outside towards the centre of a stem, you'll encounter (in sequence): **2 points**

- bark, pith, sapwood, heartwood
- bark, heartwood, sapwood, pith
- bark, sapwood, heartwood, pith
- pith, sapwood, heartwood, bark

**No, the answer is incorrect.**

**Score: 0**

**Accepted Answers:**

*bark, sapwood, heartwood, pith*

2) A felled log has the following measurements: dob = 120 cm; dub = 114 cm; length = 4.08 m The bark thickness is: **2 points**

- 1 cm
- 2 cm
- 3 cm
- 4 cm

**No, the answer is incorrect.**

**Score: 0**

**Accepted Answers:**

*3 cm*

3) A felled log has the following measurements: dob = 120 cm; dub = 114 cm; length = 4.08 m The volume of the log (ob) is: **2 points**

- 4.21 cum
- 4.41 cum

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Week 5: Tree canopy

Week 6: Basal area

Week 7: Volume

Week 8: Measurement of other attributes

4) A felled log has the following measurements: dob = 120 cm; dub = 114 cm; length = 4.08 m The volume of the log (ub) is: **2 points**

- 4.16 cum  
 4.26 cum  
 4.36 cum  
 4.46 cum

**No, the answer is incorrect.**  
**Score: 0**

**Accepted Answers:**  
*4.16 cum*

5) A felled log has the following measurements: dob = 120 cm; dub = 114 cm; length = 4.08 m The volume of the bark is: **2 points**

- 0.25 cum  
 0.35 cum  
 0.45 cum  
 0.55 cum

**No, the answer is incorrect.**  
**Score: 0**

**Accepted Answers:**  
*0.45 cum*

6) A felled log has the following measurements: dob = 120 cm; dub = 114 cm; length = 4.08 m The bark % to total volume is (rounded off): **2 points**

- 5%  
 10%  
 15%  
 20%

**No, the answer is incorrect.**  
**Score: 0**

**Accepted Answers:**  
*10%*

7) In India, the breast height is considered to be **2 points**

- 1.37 m  
 1.47 m  
 1.57 m  
 2.47 m

**No, the answer is incorrect.**  
**Score: 0**

**Accepted Answers:**  
*1.37 m*

8) The breast height for Japan and Korea is **2 points**

- 1.1 m  
 1.2 m  
 1.3 m

1.4 m

No, the answer is incorrect.

Score: 0

Accepted Answers:

1.2 m

9) Choose the correct statement:

2 points

- For a non-circular cross-section, girth tape over-estimates the sectional area.
- For a non-circular cross-section, girth tape under-estimates the sectional area.
- For a non-circular cross-section, girth tape correctly estimates the sectional area.

No, the answer is incorrect.

Score: 0

Accepted Answers:

For a non-circular cross-section, girth tape over-estimates the sectional area.

10) The formula for Bark % of log is

2 points

- $10 \times [(d_{ob}^2 - d_{ub}^2) / d_{ob}^2]$
- $20 \times [(d_{ob}^2 - d_{ub}^2) / d_{ob}^2]$
- $100 \times [(d_{ub}^2 - d_{ob}^2) / d_{ub}^2]$
- $100 \times [(d_{ob}^2 - d_{ub}^2) / d_{ob}^2]$

No, the answer is incorrect.

Score: 0

Accepted Answers:

$100 \times [(d_{ob}^2 - d_{ub}^2) / d_{ob}^2]$

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