Unit 4 - Week 3: Tree Diameter

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):
   - 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:
   - 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:
   - 4.21 cum
   - 4.41 cum

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

- [ ] 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:

- [ ] 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):

- [ ] 5%
- [ ] 10%
- [ ] 15%
- [ ] 20%

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

10%

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

- [ ] 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

- [ ] 1.1 m
- [ ] 1.2 m
- [ ] 1.3 m

No, the answer is incorrect.
Score: 0
Accepted Answers:
1.4 m

No, the answer is incorrect.
Score: 0
Accepted Answers:
1.2 m

9) Choose the correct statement:

- 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

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

No, the answer is incorrect.
Score: 0
Accepted Answers:
$100 \times \frac{(d_{ob}^2 - d_{ub}^2)}{d_{ob}^2}$