

Forests and their management: Assignment 4

The correct answers are in **bold**.

S. No.	Question
1	For normal form factor, the reference for the base of the cylinder is a. base of the tree b. breast height c. <b>10% of tree height</b> d. 20% of tree height
2	For a tree with dbh = 45.6 cm, height = 27 m and total stem volume of 1.78 cum, the artificial form factor for the tree is: a. 0.1 b. 0.2 c. 0.3 d. <b>0.4</b>
3	Measurement of height based on similar triangles comes under: a. similar measurement b. dissimilar measurement c. direct measurement d. <b>indirect measurement</b>
4	In India, the breast height is considered to be a. <b>1.37 m</b> b. 1.47 m c. 1.57 m d. 2.47 m
5	A tree has dbh of 25 cm. Find its basal area in sq m. a. <b>.049</b> b. .096 c. .149 d. .195
6	For false form factor, the reference for the base of the cylinder is a. base of the tree b. <b>breast height</b> c. 10% of tree height d. 20% of tree height
7	Consider a stand of eucalyptus trees that are on average 30 cm in diameter and spaced on a regular 3 m grid. Find the spacing factor. a. 5 b. <b>10</b> c. 15 d. data insufficient
8	For absolute form factor, the reference for the base of the cylinder is a. <b>base of the tree</b> b. breast height c. 10% of tree height d. 20% of tree height
9	3 trees are located in a sample plot of 15 m × 15 m. Their dbh are as under: dbh = 25 cm, 30 cm, 35 cm Find the stand basal area in sq m per Ha. a. <b>9.6</b> b. 14.6 c. 21.6 d. 27.6
10	Diameter over bark (dob), diameter under bark (dub) and bark thickness (tb) are related as: a. $dob = dub + tb$ b. $dob = dub - tb$ c. <b><math>dob = dub + 2 \times tb</math></b> d. $dob = dub - 2 \times tb$

Best wishes,

Save a tree: please don't print this unless you really need too!