

ASSIGNMENT V

Q: Following inventory data has been collected in two different years in the same forest area:

Dia class (in cm)	Volume per tree	Initial inventory in 2001 (number)	Second inventory in 2011 (number)
1	2	3	4
42	1.8	0	1
40	1.58	2	3
38	1.38	4	5
36	1.19	6	11
34	1.02	12	20
32	0.88	18	26
30	0.76	22	30
28	0.65	26	33
Total		90	129

Calculate annual diameter increment in each dia class and overall annual diameter increment using Method of Control.

Q2. Reading from wedge prism: (BAF=1.5)

$$T = 12$$

$$HT = 9$$

- i. Find out total BA/Ha.
- ii. If the distribution of Tallied trees in different dia class is as follows :

Dia Class	10-20	21-30	31-40	41-50
Dia of Tallied Trees (in cm)	12	22	33	42
	17	25	36	43
		29	38	46
			39	

- a) Find out number of Tree per Ha.
- b) Find out number of Trees per Ha. in each dia. class