

BRENTON FOREST SCHOOL

SECOND TERM EXAMINATION

Second Year

March, 1953

Time allowed - 3 hours

All questions must be attempted

Read the questions carefully before starting to write

Mensuration and Management

- (1) From the data supplied, prepare tables and graphs for Height and Age, Age and Radius, and Age and Volume. 25 (30)
- (2) In 1952 a stand of Corsican Pine, age 35 years, had a mean height of 52 feet. From the Forestry Commission Yield tables estimate the volume of the stand in 1956. 10 (10)

Policy

- (3) (a) In 1943 the Forestry Commissioners issued a report on Post-War Forest Policy. State briefly the main proposals submitted in this report. 7 (10)
- (b) When a private owner dedicates his woodlands on Basis II what are the respective undertakings of the Forestry Commissioners and the owner. 9 (10)
- (c) Write notes on:-
- (1) The Forestry Act 1919.
- (2) Dedication on Basis I.
- (3) National Forestry Committee. 10 (10)
- (4) Main conditions on which grants are made for thinning.
- (5) Grants for Poplar planting on a per tree basis

Ecology

- (4) "Climatic factors and biotic factors (activities of living things) affect the growth of plants and determine the nature of plant communities". Discuss this statement. 15 (20)
- (5) When selecting species for an afforestation area all the habitat factors must be considered. What information about the habitat can be gleaned from a study of maps (6" Ordnance Survey maps and Geological maps). 9 (10)

85

85 Theory

80 PA + Practical

82 1/2

281

3370

15
10
8
62
265

4235

3370

865

BENMORE FOREST SCHOOL

SECOND TERM EXAMINATION

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25 out of 30)

Stem Analysis of an A. Nobilis 97 ft. Long 64 Years Old

Rings	Radius	Rings	Radius	Rings	Radius	Rings	Radius
64	9.75	59	7.6	51	7.4	37	6.7
54	8.68	49	6.75	41	6.4	27	5.6
44	6.68	39	5.4	31	5.1	17	4.
34	5.75	29	3.75	21	3.3	7	1.5
24	3.5	19	1.9	11	1.1		
14	2.	9	.8	1	.1		
4	.56						

Section V

35' from Ground

Rings	Radius
33	6
23	4.5
13	2.5
3	.2

Section VI

45' from Ground

Rings	Radius
28	5.7
18	3.8
8	1.65

Section VII

55' from Ground

Rings	Radius
25	4.5
15	3.1
5	1.

Section VIII

65' from Ground

Rings	Radius
20	3.8
10	2.1

Section IX

75' from Ground

Rings	Radius
15	2.9
5	.95

Section X

85' from Ground

Rings	Radius
11	2.1
1	.1