

Q.6

Attempt any two:

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|------|--|----------|---|---|---|----|
| i. | What is Alley cropping and taungya cultivation? Discuss with giving example. | 4 | 1 | 3 | 5 | 11 |
| | एली क्रॉपिंग और तौंग्या खेती क्या है? उदाहरण देकर चर्चा करें। | | | | | |
| ii. | Write a note on wind break and shelter belt. | 4 | 1 | 4 | 5 | 10 |
| | पवन अवरोध और आश्रय बेल्ट पर एक नोट लिखें | | | | | |
| iii. | Write about the criteria for the selection of trees in agroforestry. | 4 | 1 | 2 | 5 | 5 |
| | कृषि वानिकी में पेड़ों के चयन के मानदंडों के बारे में लिखें | | | | | |

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Total No. of Questions: 6

Total No. of Printed Pages:4

Enrollment No.....



Faculty of Agriculture

End Sem Examination Dec 2024

AG3CO04 Introduction to Forestry

Programme: B.Sc. (Hons.)

Branch/Specialisation: Agriculture

Duration: 3 Hrs.

Maximum Marks: 50

Note: All questions are compulsory. Internal choices, if any, are indicated. Answers of Q.1 (MCQs) should be written in full instead of only a, b, c or d. Assume suitable data if necessary. Notations and symbols have their usual meaning.

		Marks	BL	PO	CO	PSO	
Q.1	i.	The word ‘Forest’ is derived from the word foris. The word is from which language ‘वन’ शब्द की उत्पत्ति फ़ोरिस शब्द से हुई है। यह शब्द किस भाषा का है?	1	1	3	1	3
		(a) Hebrew/ हिन्दू (b) Latin/ लैटिन (c) French/ फ्रेंच (d) Greek/ ग्रीक					
ii.		The ratio between mid- diameter and diameter at breast height मध्य-व्यास और स्तन की ऊंचाई पर व्यास के बीच का अनुपात (a) Form quotient/ प्रपत्र भागल (b) Form height/ ऊंचाई की ऊंचाई (c) Form factor/ ऊंचाई पर करत (d) Form point ration/ ऊंचाई पर राशन	1	1	3	1	3
iii.		Multiple stems grow from one root is known as एक ही जड़ से अनेक तने उगने को कहते हैं (a) Pruning/ छोड़ई (b) Coppice system/ कॉप्पिस प्रणाली (c) Pollarding/ पोलार्डिंग (d) Sucker/ चूसने वाला	1	1	1	2	5
iv.		The practical application of the scientific, technical and economical principles of forestry is called _____. वानिकी के वैज्ञानिक, तकनीकी और आर्थिक सिद्धांतों के व्यावहारिक अनुप्रयोग को _____ कहा जाता है (a) Forest logging Forest management/ वन लॉगिंग वन प्रबंधन (b) Forest silviculture/ वन वानिकी (c) Forest mensuration/ वन क्षेत्रमिति (d) Forest management / वन प्रबंधन	1	1	3	2	3

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Marking Scheme
AG3CO04- Introduction to Forestry

Q.1	i) b) Latin ii) a) Form quotient iii) b) Coppice system iv) d) Forest management v) c) Pollarding vi) c) 1952 vii) a) Climatic and temperature viii) a) Farm Forestry ix) (c) Weeding x) (b) High forest	1 1 1 1 1 1 1 1 1 1	Q.5	i. Define mensuration. ii. What is DBH? 1M How it is measured? 1M iii. What is shadow and pole method of measuring height of a tree. OR iv. Discuss classification of agroforestry system.
Q.2	i. Define forest. ii. Write the objectives of silviculture. iii. What are the tending operations? 2M Write the main objectives of thinning, 1M pruning 1M their types. 1M	1 2 5	Q.6	i. What is Alley cropping and taungya cultivation? 3M Discuss with giving example. 1M ii. Write a note on wind break and 2M shelter belt 2M iii. Write about the criteria for the selection of trees in agroforestry.
OR	iv. Write a note on coppicing 2.5M Write a note on pollarding. 2.5M	5		
Q.3	i. What is national forest policy 1988? ii. Write the main objectives of forest policy 1952 1.5M Write the main objectives of forest policy 1988. 1.5M iii. Write a brief note on forest classification given by champion & seth.	1 3 4	OR	iv. Define afforestation, 1M Deforestation, 1M Social forest and 1M Reforestation. 1M
Q.4	i. What are the benefits of forest? ii. What do you mean by natural regeneration of forest? Explain in brief.	2 6	OR	iii. What is artificial regeneration? 4M Discuss giving suitable example. 2M