

Semester III

Course Title: Forest Ecology-I

Course Code: Bot-355

Credits: 2

Choice-based Complimentary Elective

Lecture No.	Title of the Lecture	Unit Reference	Time Slot	Date
1	Forest and forest environment: what are forests; importance of forests in environmental conservation, wildlife, and biodiversity	1.1	11.15 a.m.	17/07/2020
2	Conti...	1.1	11.15 a.m.	18/07/2020
3	Forest ecosystem concept: introduction, composition & structure of forest ecosystem.	1.2	11.15 a.m.	24/07/2020
4	Conti....	1.2	11.15 a.m.	25/07/2020
5	Relationship between man and forest in the Himalaya	1.4	11.15 a.m.	07/08/2020
6	Major and minor forest produce; forests for food.	1.4	11.15 a.m.	08/08/2020
7	Forest stand, pure & mixed stand, even & uneven aged stand, use of mixed stand, irregular stands.	1.3	11.15 a.m.	14/08/2020
8	Forest ecosystem function: Primary productivity of forest ecosystems	2.1	11.15 a.m.	21/08/2020
9	Methods of measurement; productivity patterns.	2.1	11.15 a.m.	28/08/2020
10	Forest litter: types of litter and coarse woody debris	2.2	11.15 a.m.	04/09/2020
11	litter fall, forest floor litter mass; importance of forest litter.		11.15 a.m.	05/09/2020
12	Litter decomposition and factors affecting it, such as microbes, fauna, abiotic factors and litter characters.	2.3	11.15 a.m.	11/09/2020
13	Conti...	2.3	11.15 a.m.	18/09/2020
14	Nutrient cycling and nutrient conservation strategies.	2.4	11.15 a.m.	19/09/2020
15	Water cycle in a forested area: impact of forest on precipitation apportionment, role of water in nutrient cycling.	2.4	11.15 a.m.	25/09/2020
16	Conti.....	2.4	11.15 a.m.	03/10/2020
17	Impact of forest on precipitation apportionment, role of water in	2.4	11.15 a.m.	09/10/2020

	nutrient cycling.			
18	Eco-physiology of forest trees: characteristics of tropical trees; shoot growth in forest trees	3.1	11.15 a.m.	16/10/2020
19	Phenology of trees; forest seed dormancy and germination; regeneration ecology of forest trees.	3.2	11.15 a.m.	17/10/2020
20	Conti....	3.2	11.15 a.m.	30/10/2020
21	An idea of forest succession with particular reference to Himalaya.	3.3	11.15 a.m.	06/11/2020
22	Conti....	3.3	11.15 a.m.	07/11/2020
23	Conti...	3.3	11.15 a.m.	20/11/2020
24	Attributes of species of different successional stages	3.4	11.15 a.m.	21/11/2020
25	Recovery measures of disturbed sites, species selection for disturbed sites in Himalaya.	3.4	11.15 a.m.	27/11/2020

*Already Taught

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Teacher In-charge