

SYLLABUS

HNB GARHWAL UNIVERSITY, SRINAGAR-GARHWAL

2015-16 ONWARDS

Department of Forestry

Bachelor of Science

FORESTRY

(Three Year Course-Semester System)

Under CBCS

B.Sc. Forestry

I SEMESTER

	Course Code	Name of the Subject	Credit	Marks		Total
	Core Course			External	Internal	
1	SOA/FC101T	Fundamentals of Geology and Soil Science	2	70	30	100
2	SOA/FC102T	Plant Biochemistry and Biotechnology	2	70	30	100
3	SOA/FC103T	Principles of Plant physiology	2	70	30	100
4	SOA/FC104T	Statistics & Computer Application	2	70	30	100

II Semester

Course Code	Name of the Subject	Credit	Marks		Total
Core Course			External	Internal	
1.SOA/FC105T	Principles of Hydrology,Soil- Water Conservation and wasteland Development	2	70	30	100
2. SOA/FC106T	Principles of Cytology and Genetics	2	70	30	100
3. SOA/FC107T	Ethnobotany	2	70	30	100
4. SOA/FC108T	Medicinal and Aromatic Plants	2	70	30	100

III Semester

Course Code	Name of the Subject	Credit	Marks		Total
Core Course			External	Internal	
1. SOA/FC110T	Logging and Ergonomics	2	70	30	100
2. SOA/FC111T	Soil Survey, Remote Sensing	2	70	30	100
3. SOA/FC112T	Forest Mensuration	2	70	30	100
4. SOA/FC113T	Forest Engineering & Survey	2	70	30	100
5. SOA/FE111T	Introductory Forest Economics	2	70	30	100

IV Semester

Course Code	Name of the Subject	Credit	Marks		Total
			External	Internal	
1. SOA/FC115T	Principles and Practices of Silviculture	2	70	30	100
2. SOA/FC116T	Wood Science and Technology	2	70	30	100
3. SOA/FC117T	Silviculture of Indian Trees	2	70	30	100
4. SOA/FC118T	Forest Pathology	2	70	30	100

V Semester

	Name of the Subject	Credit	Marks		Total
			External	Internal	
1. SOA/FC120T	Rangeland Management	2	70	30	100
2. SOA/FC121T	Silvicultural Systems	2	70	30	100
3. SOA/FC122T	Experimental techniques in Forestry	2	70	30	100
4. SOA/FC123T	Dendrology	2	70	30	100
5. SOA/FC124T	Wild life Management	2	70	30	100
6. SOA/FE116T	World Forestry Systems	2	70	30	100

Semester VI

Course Code	Name of the Subject	Credit	Marks		Total
			External	Internal	
1. SOA/FC125T	Forest Management, Policy and Legislation	2	70	30	100
2. SOA/FC126T	Principles and Methods of Tree Improvement	2	70	30	100
3. SOA/FC127T	Utilization of Non-timber Forest Products	2	70	30	100
4. SOA/FC128T	Agroforestry Systems and Management	2	70	30	100

Semester VII

Forestry Work Experience/Hands-on-Training

Paper	Name of the Subject	Credit	Marks			Total
			Theory		Practical (External)	
			Ext.	It.		
1	Socio-economic surveys –village Attachment (28 working days)	4	-	-	100	100
2	Attachment with State Forest Department (70 working days)	10	-	-	250	100
3	Industrial Placement (28 working days)	4	-	-	100	100
4	Report Writing and Presentation of FWE (14 Working days)	2	-	-	50	100

Semester VIII

Multidisciplinary courses/Vocational Training: Production and Marketing of Quality Planting Material

Paper	Name of the Subject	Credit	Marks			Total
			Theory		Practical (External)	
			Ext.	It.		
1	Project Development (2 weeks)	2 (0+2)	-	-	50	50
2	Collection, Handling, Processing and Storage of planting material (3 weeks)	2 (0+2)	-	-	50	50
3	Vegetative Propagation under controlled and ambient conditions (3 weeks)	3 (0+3)	-	-	75	75
4	Nursery Management (11 Weeks)	9 (0+9)	-	-	225	225
5	Marketing of seeds and seedlings (2 weeks)	2 (0+2)	-	-	50	50
6	Cost Benefit analysis, Project Report & Presentation (1 week)	2 (0+2)	-	-	50	50

Attested


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