

**SCHEME OF EXAMINATION OF M. Sc. DEGREE COURSE IN BOTANY UNDER
CBCS SEMESTER SCHEME 2011-12**

Semester	Paper No.	Title of the Paper	Theory / Practicals	Internal Assessment	Total Marks
First	Hard Core Theory				
	Bot:HCT.1.1	Viruses, Bacteria, Algae and Fungi	80	20	100
	Bot:HCT.1.2	Bryophytes, Pteridophytes and Gymnosperms	80	20	100
	Bot:HCT.1.3	Plant Systematics and Economic Botany	80	20	100
	Soft Core Theory				
	Bot:SCT.1.4.1	Ecology and Environment	80	20	100
	Bot:SCT.1.4.2	Phytogeography and evolution	80	20	100
	Hard Core Practical				
	Bot:HCP.1.5	Viruses, Bacteria, Algae and Fungi	40	10	50
	Bot:HCP.1.6	Bryophytes, Pteridophytes and Gymnosperms	40	10	50
	Bot:HCP.1.7	Plant Systematics and Economic Botany	40	10	50
	Soft Core Practical				
	Bot:SCP.1.8.1	Ecology and Environment	40	10	50
	Bot:SCP.1.8.2	Phytogeography and evolution	40	10	50
Second	Hard Core Theory				
	Bot:HCT.2.1	Plant Anatomy and Embryology	80	20	100
	Bot:HCT.2.2	Cell Biology and Genetics	80	20	100
	Soft Core Theory				
	Bot: SCT.2.3.1	Microbial Technology	80	20	100
	Bot:SCT.2.3.2	Plant Breeding and Propagation	80	20	100
	Open Elective Theory				
	Bot:OET.2.4	Medicinal Plants	80	20	100
	Hard Core Practical				
	Bot:HCP.2.5	Plant Anatomy and Embryology	40	10	50
	Bot:HCP.2.6	Cell Biology and Genetics	40	10	50
	Soft Core Practical				
	Bot:SCP.2.7.1	Microbial Technology	40	10	50
	Bot:SCP.2.7.2	Plant Breeding and Propagation	40	10	50
Open Elective Practical					
Bot:OEP.2.8	Medicinal Plants	40	10	50	

Third	Hard Core Theory				
	Bot:HCT.3.1	Plant Physiology	80	20	100
	Bot:HCT.3.2	Molecular Biology	80	20	100
	Soft Core Theory				
	Bot:SCT.3.3.1	Methods in Plant Sciences	80	20	100
	Bot:SCT.3.3.2	Genetic Engineering	80	20	100
	Open Elective Theory				
	Bot:OET.3.4	Biofertilizers and Biopesticides	80	20	100
	Hard Core Practical				
	Bot:HCP.3.5	Plant Physiology	40	10	50
	Bot:HCP.3.6	Molecular Biology	40	10	50
	Soft Core Practical				
	Bot:SCP.3.7.1	Methods in Plant Sciences	40	10	50
	Bot:SCP.3.7.2	Genetic Engineering	40	10	50
Open Elective Practical					
Bot:OEP.3.8	Biofertilizers and Biopesticides	40	10	50	
Fourth	Hard Core Theory				
	Bot:HCT.4.1	Plant Pathology and Plant Protection	80	20	100
	Bot:HCT.4.2	Plant Biotechnology	80	20	100
	Bot: HCMP. 4.3 Hard Core Major Project				
	Bot:HCMP.4.3	Project valuation	72	-	72
		Vivo-vice	48	-	48
		Internal assessment	-	30	30
		Total	120	30	150
	Soft Core Theory				
	Bot:SCT.4.4.1	Medicinal and Aromatic Plants	80	20	100
	Bot:SCT.4.4.2	Biodiversity and Conservation	80	20	100
	Hard Core Practical				
	Bot:HCP.4.5	Plant Pathology and Plant Protection	40	10	50
	Bot:HCP.4.6	Plant Biotechnology	40	10	50
Soft Core Practical					
Bot:SCT.4.7.1	Medicinal and Aromatic Plants	40	10	50	
Bot:SCT.4.7.2	Biodiversity and conservation	40	10	50	

Note: Compulsory Botanical study tour of about 7 days shall be undertaken at the end of First Semester. Candidate has to submit the tour report during HCT 1.3 Practical Examination. In case a candidate fails to undertake the study tour, his / her results will be withheld till he / she completes the Botanical study tour.