

(1) MASTER OF SCIENCE IN BOTANY. (M.SC. IN BOTANY)

Structure and Brief Syllabi

Objective: - Botany may be defined as the science of plants. The word 'Botany' owes its origin from the Greek words 'bous (meaning cattle), 'bouskein' (making food for cattle i.e. fodder) or 'botane' (meaning herb or plant). Hence botany in general is the study of herbs plants.

The methodology of botany is that of science i.e. essentially it is a method of getting facts for solving problems or has arisen out of human curiosity about the plants combined with the need to survive. To solve the problems or obtain answers to questions concerning plant behaviour, the study of Botany is essential.

Eligibility Criteria for Admission: – Graduate in Botany.

Scheme of Examination- M.Sc. in Botany is of two years duration divided into Part-I and Part-II, each Part consisting of eight papers. Each paper carries 100 marks, divided into term end theoretical written examination and practical work in a ratio of 80:20. Failure in one paper will mean failure in that Part of the examination. Hence, students must strive to pass in all the papers. It is necessary to pass Part-I of the examination before a student can be promoted to Part-II. In order to pass each part of the examination, it is, now, compulsory for every student, to secure atleast 33% of marks in each paper. To determine 33% of marks in each paper, the marks obtained by the candidate, both in the term end theoretical written examination and the practical examination, will be clubbed and counted together and percentage determined accordingly. However, if a candidate has failed to appear or secured zero mark in term end theoretical examination or practical examination, in any paper, he/she will be deemed to have failed in that paper and the part. The abstract of the syllabus of M.Sc. in Botany course is as below

Paper	Title of the paper	Distribution of Marks between Theory and Assignment		Minimum Marks required to pass the examination (written exam. + practical)
		Written exam	Practical	
PART-I				
1.	Biodiversity of Plants and Diversity of Algae	80	20	33
2	Microbiology and Diversity of Fungi	80	20	33
3	Plant Pathology	80	20	33
4	Biology and Diversity of Brophyta and Pteridophyta	80	20	33
5	Diversity of Seed plants and their Taxonomy	80	20	33
6	Management of Forest Resources	80	20	33
7	Cell Biology	80	20	33
8	Plant Anatomy and Embryology.	80	20	33
Total		640	160	264
PART-II				
9	Plant Physiology and Biochemistry	80	20	33
10	Cytogenetics and Crop Improvement	80	20	33
11	Molecular Biology	80	20	33
12	Environmental Biology	80	20	33
13	Plant Resources, Utilization and Conservation	80	20	33
14	Aero-biology	80	20	33
15	Ethno-botany	80	20	33
16	Biotechnology and Bioinformatics.	80	20	33
Total		640	160	264

