

(1) M.A./M.SC. IN ENVIRONMENTAL SCIENCE :

Structure and Brief Syllabi of the M.A./M.Sc. in Environmental Science

Environmental science has become an important course of study for students today because of erratic weather cycles, increasing temperatures, flooded cities and depleting natural resources with increasing unorganised and uncontrolled development,. It is an emerging discipline that not only offers solutions to many environmental problems but also opens up a variety of employment options

In recent years environmental science has emerged as an important discipline that can offer solutions to many environmental problems. Several scientific disciplines like biochemistry, physics, mathematics, biotechnology, chemistry, botany, toxicology, remote sensing and engineering have an interface with environmental science.

Closely linked with ecology, environmental science is primarily concerned with how humanity affects and in turn is affected by other living organisms and the non-living physical environment. "Students get an exposure to varied subjects such as biodiversity, microbiology, pollution control methods, disaster management, environment impact studies and conservation of natural resources. Keeping current global picture in mind, the University has introduced this course for students, incorporating the latest knowledge on the subject.

Eligibility Criteria for Admission:–

- i. For M.A in Environmental Science - Graduate in any discipline
- ii. For M.Sc in Environmental Science – Science Graduate in any discipline

Scheme of Examination - M.A./M.Sc. in Environmental Science 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 home assignment /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/home assignment, as the case may be, 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/home assignment, as the case may be, in any paper, he/she will be deemed to have failed in that paper and the part. The abstract of the syllabus of M.A./M.Sc. in Environmental Science 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/ Assignment)
		Written exam	Assignment	Practical	
PART-I					
1.	Fundamental of Environmental Science & Ecology	80	20		33
2	Environmental Geosciences	80		20	33
3	Environmental Chemistry	80		20	33
4	Biodiversity, Its Conservation & Microbiology	80		20	33
5	Natural Resources & Their Conservation	80	20		33
6	Management of Agriculture & Forest	80		20	33
7	Energy & Environment	80	20		33
8	Environmental Pollutions Control	80		20	33
	Total	640	60	100	264

	PART-II				
9	Marine Ecology	80	20		33
10	Waste Generation & Management	80	20		33
11	Environment Toxicology	80	20		33
12	Application of Statistics & Models in Environmental Science	80	20		33
13	Remote Sensing & Its Application in Environmental Science	80	20		33
14	Environmental Impact Assessment , Eco planning & Sustainable Development	80	20		33
15	Environmental Law, Policies and Management	80	20		33
16	Social Issues and Environment.	80		20	33
	Total	640	140	20	264