

Vivekanand College, Kolhapur (Autonomous)
Syllabus, B.A. (Part II) Geography
(Introduced From June 2024 Onwards)
CBCS System, Paper: VSC, Semester - III
Watershed Management

1. Course Outcomes: -

The study of Watershed Management equips students with a comprehensive understanding of the principles and practices necessary for sustainable water resource management within a watershed. Students learn to analyze and address the complexities of water conservation, soil erosion control, and land use planning. And able to design and implement watershed management plans that balance ecological health with human needs. Additionally, they gain practical skills in applying geospatial tools and techniques for monitoring and managing watershed systems effectively.

2. Learning outcomes:

1. Analyze the hydrological processes and factors influencing watershed dynamics.
2. Design effective watershed management plans that integrate soil and water conservation strategies.
3. Apply geospatial tools like GIS and remote sensing for monitoring and managing watershed systems.
4. Evaluate the environmental and socio-economic impacts of various watershed management practices.

3. Structure of Course for B.A. II Watershed Management

Sr. No.	Sem.	Title of the Paper	Discipline	Credit	Workload Per Week	Total Credits	Marks	
							Theory/Practical	Term Work
1	I	Watershed Management	Arts	02	02	02	20	5

Watershed Management

Module I	Introduction to Watershed Management	01
	1.1 Fundamentals of Watershed Management 1.2 Watershed Characteristics and Processes 1.3 Watershed Degradation and Challenges 1.4 Watershed Assessment and Monitoring	
Module II	Watershed Management Practices	01
	2.1 Role of Local Communities in Watershed Management 2.2 Watershed Management Techniques- Check Dams, Contour Bunding, and Terracing	

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Syllabus, B.A. (Part II) Geography
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CBCS System, Paper: VSC, Semester - IV
Disaster Management

1. Course Outcomes: -

This class introduces students to demonstrate a comprehensive understanding of the principles and practices of disaster management. Able to apply analytical skills to assess risks and vulnerabilities related to various types of disasters. Design and implement effective disaster preparedness and mitigation strategies. Collaborate with stakeholders to develop community-based disaster management plans.

2. Learning outcomes:

1. Understand the fundamental concepts and terminology of disaster management.
2. Identify and classify different types of disasters (natural, technological, and human-made).
3. Analyse the disaster management cycle and its phases.
4. Recognize the roles and responsibilities of different stakeholders in disaster management.

3. Structure of Course for B.A. II Disaster Management

Sr. No.	Sem.	Title of the Paper	Discipline	Credit	Workload Per Week	Total Credits	Marks	
							Theory/Practical	Term Work
1	I	Disaster Management	Arts	02	02	02	20	5

Disaster Management

Module I	Introduction to Disaster Management	01
	1.1 Introduction to Disaster Management 1.2 Types of disasters: A) Natural, B) Technological, C) Human-made	
Module II	Risk Assessment and Geospatial Tools	01
	2.1 Risk Assessment Techniques 2.2 Introduction to geospatial tools in disaster management	