

SAVITRIBAI PHULE PUNE UNIVERSITY
Geography T.Y.B.Sc. (Credit System) Revised Syllabus (From
June-2021)

Semester-v

GG 355: Management of Natural Disaster

Objectives:

1. To make students understand concept of disaster management.
2. To acquaint students with principles of disaster management.
3. To understand causes and effects of disasters.

No. of Credits: 02

No. of Periods: 30

Sr. No.	Topic	Sub-Topic	Learning Points	Periods
1	Introduction to Disaster Management	Definition and Concepts.	1 Disaster, Hazards, Risk, Vulnerability, Capacity 2 Classification of Disasters 3 Disaster Management cycle	6
2	Geo-physical disaster in India	Geo-physical disaster	1 Causes, Impact, Distribution 2 Landslide, Earthquake, Tsunami 3 Disaster Mapping in India	8
3	Atmospheric Disaster in India	Atmospheric Disaster	1 Causes, Impact, Distribution 2 Flood, Drought and Cyclone 3 Disaster Mapping in India	8
4	Disaster Risk Reduction	Response and Mitigation to Disasters:	1 Mitigation and Preparedness: Survival Kit, Medicinal Kit, Warning and Alarm System 2 Community Based Disaster Management 3 Do's and Don'ts during and Post Disaster 4 Role and Responsibilities of GO's and NGO's 5 Application of RS and GIS in disaster planning and management	8

Reference Books:

1. Government of India. (1997) Vulnerability Atlas of India. New Delhi, Building Materials & Technology Promotion Council, Ministry of Urban Development, Government of India.

2. Kapur, A. (2010) *Vulnerable India: A Geographical Study of Disasters*, Sage Publication, New Delhi.
3. Modh, S. (2010) *Managing Natural Disaster: Hydrological, Marine and Geological Disasters*, Macmillan, Delhi.
4. Singh, R.B. (2005) *Risk Assessment and Vulnerability Analysis*, IGNOU, New Delhi. Chapter 1, 2 and 3
5. Singh, R. B. (ed.), (2006) *Natural Hazards and Disaster Management: Vulnerability and Mitigation*, Rawat Publications, New Delhi.
6. Sinha, A. (2001). *Disaster Management: Lessons Drawn and Strategies for Future*, New United Press, New Delhi.
7. Stoltman, J.P. et al. (2004) *International Perspectives on Natural Disasters*, Kluwer Academic Publications. Dordrecht.
8. Singh Jagbir (2007) "Disaster Management Future Challenges and Oppurtunities", 2007. Publisher- I.K. International Pvt. Ltd. S-25, Green Park Extension, Uphaar Cinema Market, New Delhi, India (www.ikbooks.com).