

## Geography

B.A. Part III

Semester - V

### APC- Paper III (A) (565307) Introduction to Natural Disasters

#### Objectives :-

- 1) To bring an awareness among the students about the finite nature of natural disaster and its stresses the need for better management of natural disaster through appropriate method.
- 2) To understand concepts & approaches of Natural disaster management.
- 3) To examine various natural disaster and to analysis future motives.

**Credit : 4**

**Marks : 100**

**Periods :**

60

SR.NO	TOPIC	SUB. TOPIC	PERIODS	MARKS
1	Introduction to Natural Disaster	A) Meaning & Definition B) Characteristics of Natural Disasters C) Importance and Significance of the Study of Natural Disaster D) Types of Natural Disaster	15	25
2	Lithological Natural Disasters	Definitions, Causes, Effects and Protective and Preventive Measures A) Earthquakes B) Volcanoes C) Land Slides D) Salinization	15	25
3	Climatological & Biological Natural Disasters	Definitions, Causes, Effects and protective and Preventive Measures A) Climatological Natural Disasters (Storms, Floods & Droughts) B) Biological Natural Disasters (Cholera, Malaria & Forest Fire)	15	25
4	Natural Disasters Management	A) Objectives B) Processes of Management C) Management and Planning	15	25

#### References :-

1. Eugene P. (1971) : Fundamentals of Ecology Saunders Company, 12, Dyott street, London. WCIA.
2. Krebs Charles J (1978) : Ecology Harper & Row Publishers New York.
3. Odum E. P. & Eugene P. (1978): Fundamental of Ecology W. B. Saunders Company, 12 Dyott Street, London. WCIA

4. Rais Akhtar & Yola (1990) : Disease Ecology & Health Verhasselt Rawat  
Publication, Jaipur.
5. Savindra Singh (2002) : Environmental Geography Prayag  
Publication, University Road, Allahabad.
6. Simmons I. G. (1980) : Biogeography:Natural & Cultural Arnold  
Heineman Publication New Delhi 110016.
7. Watts David (1971) : Principles of Biogeography MC Graw Hill  
Publication, England.

## Geography

B.A. Part III

Semester - V

### APC- Paper III (B) (566307) Basics of Remote Sensing and Aerial Photography

#### Objectives :-

- 1) To acquaint the students with advance techniques in geography.
- 2) To train the students with Remote sensing application and aerial photography in geography.

Credit : 4

Marks : 100

Code No. : 566307

SR.NO	TOPIC	SUB. TOPIC	PERIODS	MARKS
1	Introduction to Remote Sensing	Meaning of Remote Sensing, Historical Development of Remote Sensing, Remote Sensing in India Application of Remote Sensing	15	25
2	Elements of Remote Sensing Component of Aerial Photography	Elements of Remote Sensing, - Electromagnetic Spectrum, Sensors, Platforms Component of Aerial Photography - Types of camera's, films, Scale of Aerial Photographs, Types of Aerial Photographs	15	25
3	Aerial Photographs	Elements of Aerial Photo interpretation, Visual Interpretation of Aerial Photographs	15	25
4	Satellite Images	Elements of satellite image interpretation, Visual Interpretation of Satellite Images	15	25

#### References :

1. Agrawal and Garg (2000) : "Remote Sensing"
2. Compbell, J. B.( 2002), "Introduction to Remote Sensing", Taylor and Francis, London , Third edition,
3. Guha , P. K. (2003) "Remote Sensing for the Beginner" Affiliated East-West Press Pvt

Ltd, New Delhi

4. Lillesand T. M. and Kiefer R. W.(2010): "Remote Sensing and Image Interpretation", John Wiley and Sons Pvt Ltd.
5. KarlekarShrikant (2007): "Door Samvedan", Diamond Punlication, Pune