

## Geography

B. A. Part III

SEMESTER VI

### Paper APC-IV Manmade Disaster Management (665407) A

#### Objectives:-

1. To understand causes of manmade disasters.
2. To acquire knowledge of manmade disasters and their effects.
3. To find ways to control and prevent manmade disasters.

**Credit : 4**

**Marks : 100**

**Periods : 60**

SR.NO	TOPIC	SUB. TOPIC	PERIODS	MARKS
1	Introduction – Concept of Manmade Disasters,	Objectives and significance Types of Manmade Disasters 1. Manmade disasters caused due to industrialization 2. Manmade disasters caused due to urbanization 3 Manmade disasters caused due to social, political and cultural factors	15	25
2	Manmade disasters caused due to industrialization	Concept, types, causes, effects, protective and preventive measures Types – a. Pollution – air, water, land, noise pollution b. Accidents – Explosions and fires.	15	25
3	Manmade disasters caused due to urbanization	Concept, types, causes, effects, protective and preventive measures Types – a. Accidents – Road, Railway, Air b. Maritime disasters – accidents and oil sleek c. Urban drainage d. Traffic jams – Road, Railway, Air	15	25
4	Manmade disasters caused due to social political and cultural factors	Concept, types, causes, effects, protective and preventive measures Types – a. Communal riots b. Terrorism c. Wars. d. Crowd and Stampede	15	25

#### References :-

1. Anonymous, Planning Commission: Five Year Plans, Govt. of India, New Delhi.
2. Devis Lee, 1994 : Encyclopedia of Manmade Catastrophes, headline U. K.
3. Goudie A. 1990 : The Human Impact on the Natural Environment,

Cambridge, Mass, MIT Press.

4. Manorama Year Book 2004: Malayala, Manorama Publications.
  5. McKinney, M. L. & Schoch, R. M. 1998 : Environmental Science – Systems and Solutions. Jones & Bartlett Publishers, London.
- Singh Pramod, 1985: Environment Pollution & Management

**Geography**  
**B. A. Part III**  
**SEMESTER VI**  
**Paper APC-IV Basics of GIS& GPS (665407) B**

**Objectives:-**

- 1) To acquaint the students with advance techniques in geography.
- 2) To train the students with GIS and GPS in geography

**Credit :04**

**Marks : 100**

**Code No. :666407**

<b>SR.NO</b>	<b>TOPIC</b>	<b>SUB. TOPIC</b>	<b>PERIODS</b>	<b>MARKS</b>
<b>1</b>	Fundamentals of GIS	Definition of GIS, History of GIS, Components of GIS- Computer Hardware, Software, Data	<b>15</b>	<b>25</b>
<b>2</b>	GIS Data and Map Making	Spatial Data Models - Raster and Vector Data Model  Non-Spatial Data , Analysis of Geographic Data, Georeferencing, Digitization,  Map making	<b>15</b>	<b>25</b>
<b>3</b>	Fundamentals of GPS	Concept of GPS, Segments of GPS, Various GPS instruments, functioning of GPS	<b>15</b>	<b>25</b>
<b>4</b>	Application of GIS and GPS	Application of GIS in general, application of GIS in various branches in Geography  Application of GPS in general, application of GPS in various branches in Geography	<b>15</b>	<b>25</b>

**References :**

- 1) Burrough, P.A. (1986), "Principles of Geographical Information System

for Land Resource Assessment ”, Clarendon Press, New York.

- 2) Compbell, J. B.( 2002), “Introduction to Remote Sensing”, Taylor and Francis, London , Third edition, Pp 555-556.
- 3) Panigrahi, Narayana (2008), “Geographical Information Science”, Universities Press, CAIR, Banglore, P 207.
- 4) KarlekarShrikant (2007): “BhougholikMahitiPranali ”, Diamond Punlication, Pune