

**Paper name: Environmental Geography and Disaster Management**

**Paper code: GGY-HC-4016**

## **Topic: Types of Hazards and Disasters**

Environmental; hazards and disasters are normally divided into the following two broad categories on the basis of main causative factors and their mode of origin:

- 1) Natural hazards and disasters
- 2) Man-induced (anthropogenic) hazards and disasters

Natural hazards and disasters are further sub-divided into main and sub-categories as follows:

### **I. Natural hazards and disasters**

- 1) **Planetary hazards and disasters**
  - A) **Terrestrial or indigenous disasters**
    - i) Volcanic disaster
    - ii) Seismic disaster
    - iii) Tsunami disaster
    - iv) Landslide disaster
  - B) **Atmospheric or exogenous disasters**
    - i) **Abnormal or infrequent events**
      - a) Cyclone disaster
      - b) Hurricanes disaster
      - c) Tornado disaster
      - d) Lightning disaster
      - e) Hailstorm disaster
    - ii) **Cumulative atmospheric disaster**
      - a) Flood disaster
      - b) Drought disaster
      - c) Cold wave disaster

d) Heat wave disaster

**2) Extra-planetary hazards and disasters**

- i) Collision of meteors with the earth
- ii) Mutual collision of meteors

**II. Man-induced (anthropogenic) hazards and disasters**

**1) Physical disasters**

- A) Reservoir-induced seismic (RIS) disaster
- B) Man-induced landslide disaster
- C) Accelerated soil erosion

**2) Chemical disasters**

- A) Release of toxic materials
- B) Large-scale leakage of petroleum from oil-tankers
- C) Nuclear tests and explosion

**3) Biological hazards and disasters**

- A) Failure of nuclear plants
- B) Eutrophication
- C) Insect swarms (such as locust swarms)
- D) Population explosion

**4) Technological disasters**

- A) Failure of nuclear plants
- B) Nuclear wars

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