



**MJ-524**

**M.Sc. (Botany)**

4th Semester Examination, Jan.-June, 2022

Paper - II

Plant Ecology-II  
(Vegetation Ecology and  
Biodiversity Conservation)

*Time* : Three Hours]

[*Maximum Marks* : 80

---

**Note** : Answer from **all** the Units and Question Number 1 is compulsory. All questions carry equal marks.

---

1. Write short notes on the following :

(a) Life zone

(b) Green house effects

(c) Bio-diversity hotspot

(d) National Bureau of Plant Genetics Resources (NBPGR)

( 2 )

**Unit-I**

2. Explain the soil types of the world.

**OR**

Write short notes on any **two** of the following :

- (a) Vegetation type of the world
- (b) Biomes
- (c) Barren land

**Unit-II**

3. Write an essay on Air Pollution and their effects on plant and ecosystem.

**OR**

Write short notes on any **two** of the following :

- (a) Ozone hole
- (b) Global warming
- (c) Consequences of climate change

**Unit-III**

4. Describe the concepts, levels and status of Bio-diversity in India.

**OR**

( 3 )

Write short notes on any **two** of the following :

- (a) The Indo-Burmese Centre
- (b) IUCN categories of threat
- (c) Role of Bio-diversity in Ecosystem

**Unit-IV**

5. Write an essay on in-situ conservation.

**OR**

Write short notes on any **two** of the following :

- (a) Cryo Bank
  - (b) Botanical Survey of India (BSI)
  - (c) Seed Bank
- \_\_\_\_\_