

- NOTE: 1. All questions are compulsory.  
2. Figures to right indicate marks.  
3. Draw labelled diagrams wherever necessary.

**Q I Answer the following (Any Two) (20)**

- 1) What is Pharmacopoeia? Give the Significance of Indian Pharmacopoeia.
- 2) What is Volatile oil? Give properties and uses.
- 3) What are alkaloids? Give sources and uses of alkaloids.
- 4) What are secondary metabolites? Give types and function of Secondary metabolites.

**Q II Answer the following (Any Two) (20)**

- 1) Describe in details, "Tropical moist forest".
- 2) Give a brief account on Aforestation.
- 3) Write a brief note on Global problem and need for plantation.
- 4) Discuss Social forestry. Mention aim and object of Social forestry.

**Q III Answer the following (Any Two) (20)**

- 1) Write a note, soil as edaphic factor. Explain soil texture, soil air and soil water.
- 2) Give a brief account on pedogenesis.
- 3) Explain Physiognomic classification. Mention its types.
- 4) What is Ecosystem? Write a note on biotic and abiotic factor of ecosystem.

**Q IV Write short notes on (Any Three) (15)**

- 1) Diversity.
- 2) Biological weathering.
- 3) Mention the type of tropical dry forest in India.
- 4) Agro forestry and extension forest.
- 5) Gums.
- 6) Glycoside.