

U.G. 6th Semester Examination - 2021

GEOGRAPHY

[HONOURS]

Discipline Specific Elective (DSE)

Course Code : GEO-H-DSE-T-04A

(Soil and Bio Geography)

[NEW SYLLABUS under CBCS]

Full Marks : 60

Time : 2½ Hours

The figures in the right-hand margin indicate marks.

Candidates are required to give their answers in their own words as far as practicable.

1. Answer any **ten** questions: 2×10=20
- i) Define *soil*.
 - ii) Define *podzol soil*.
 - iii) What is *soil texture*?
 - iv) What is *wilting point*?
 - v) What is meant by *organic matter* in soil?
 - vi) What is meant by NPK in soil?
 - vii) Write the full form of USDA.
 - viii) Define *ecology*.

- ix) Define *ecotone*.
- x) Who are *carnivores*?
- xi) Define *biome*.
- xii) Why are temperate grasslands observed generally in the middle of the continents?
- xiii) Mention the geographical location of Taiga biome.
- xiv) Define *bio-geochemical cycle*.
- xv) What is *biodiversity loss*?

2. Answer any **four** questions: 5×4=20
- i) Give the concept of *soil horizon*.
 - ii) Illustrate *soil pH*.
 - iii) State the concept of *land capability*.
 - iv) Differentiate *food chain* from *food web*.
 - v) Mention the significances of *nitrogen cycle*.
 - vi) Bring out the threats to biodiversity.
3. Answer any **two** questions: 10×2=20
- i) Discuss soil orders and their major characteristics according to USDA soil taxonomy.

- ii) Illustrate the causes, consequences and mitigation measures of soil degradation.
- iii) Give an account of the tropical rain forest biome with necessary illustrations.
- iv) Bring out the causes, consequences and management of deforestation.
