

**NEW/REVISED SYLLABUS FOR
B. A. Part-II Geography
(Introduced from June 2019 onwards)
Semester - III**

(i) Course / Paper No. III

(ii) Title of Paper: - SOIL GEOGRAPHY

(iii) Specific Objectives: - -----

(iv) A brief note: - (On expected level of study from examination and assessment point of view):- -----

| Module | Teaching Hours | Credits |
|---|-----------------------|----------------|
| Module I: Basics of Soil Geography | 12 Lectures | 01 |
| 1.1 Definition, Nature and Scope of Soil Geography | | |
| 1.2 History of Soil Geography and Pedology | | |
| 1.3 Significance of Soil Geography | | |
| Module II: Soils: Formation and Properties | 18 Lectures | 01 |
| 2.1 Jenny's Factorial Model of Soil Formation: Parent Material, Biotic, Climatic, Relief and Time factor. | | |
| 2.2 Process of Soil Formation: Physical, Biotic and Chemical. | | |
| 2.3 Physical Properties of Soils: Morphology, Texture, Structure, Water, Air and Temperature. | | |
| 2.4 Chemical Properties of Soils: P ^H , Organic Matter, NPK (Nitrogen, Phosphorous and Potassium). | | |
| Module III: Soils: Classifications and Distribution | 18 Lectures | 01 |
| 3.1 Genetic Classification of Soils. | | |
| 3.2 Soil Characteristics and Major Soils Distribution in Maharashtra. | | |
| 3.3 Soil Degradation: Concept, Causes, Consequences and Measures | | |
| Module IV: Practical (Theory Only) | 12 Lectures | 01 |
| 4.1 Soil Profile | | |
| 4.2 Soil Sample: Tools | | |
| 4.3 Soil Analysis: Saline and Alkaline | | |
| 4.4 Vermicompost Process | | |

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