

**NEW/REVISED SYLLABUS FOR**  
**B. A.Part-II / B. A. B. Ed.**  
**(Introduced from June, 2023 onwards)**  
**DSC – D 19 (Course / Paper No. III)**  
**Geography (Soil Geography)**  
**Semester -III**

<b>Module</b>	<b>Teaching</b>	
<b>HoursCredits</b>		
<b>Module I: Basics of Soil Geography</b>	10	0.75
1.1 Definition, Nature and Scope of Soil Geography		
1.2 History of Soil Geography and Pedology		
1.3 Significance of Soil Geography		
<b>Module II: Soils: Formation and Properties</b>	16	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: pH, Organic Matter, NPK (Nitrogen, Phosphorous and Potassium).		
<b>Module III: Soils: Classifications and Distribution</b>	16	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		
<b>Module IV: Soil Analysis</b>	12	01
4.1 Soil Profile		
4.2 Soil Sample: Tools		
4.3 Soil Analysis: Saline and Alkaline		
4.4 Vermicomposting Process		
<b>Module V: Practical</b>	06	0.25
5.1 Draw Soil Profile of local area		
5.2 Calculate soil properties with soil meter: pH, light, moisture		

5.3 Calculate NPK soil properties of local area.

## REFERENCES

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3. Bunting, B.T.(1973) The Geography of Soils, Hutchinson, London.
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14. Raychoudhuri, S.P., (1958): Soils of India, ICAR, New Delhi.
15. Russell, Sir Edward J.:(1961) Soil Conditions and Plant Growth, Wiley, New York.
16. Sarkar, D., (2003): Fundamentals and Applications of Pedology, Kalyani Publishers, New Delhi.
17. Sehgal, J., (1996): Pedology: Concepts and Applications, Kalyani Publishers, New Delhi.