

Total No. of Printed Pages: 2

SUBJECT CODE NO: - BNP-2727
FACULTY OF SCIENCE AND TECHNOLOGY
B.Sc. (NEP) (P-2024) S.Y Sem III
Examination November / December 2025
Botany (Fundamentals of Soil Science)

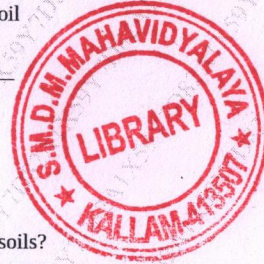
[Time: 1:00 Hours]**[Max. Marks: 30]**

Please check whether you have got the right question paper.

- N. B
- Question No. 1 is multiple choice objective
 - Attempt any four questions from Q.2 to Q.7 Each of these questions carries 5 marks
 - Figures to the right indicate full marks

Section A**Q1 Attempt all MCQS****10**

- The soil that has been transported from its place of origin by water is known as ____
 - Residual Soil
 - aeolian soil
 - Alluvial soil
 - Glacial soil
- Three main types of chemical weathering are ____
 - solution, hydration and reduction
 - Solution, reduction and chetation
 - Solution, carbonation and oxidation
 - Hydrolysis, carbonation and oxidation
- What is the primary source of phosphorus In moist soils?
 - Fertilizers
 - organic matter
 - weathering of apatite minerals
 - Atmospheric deposition
- Crop rotation is a soil management technique that primary helps to ____
 - Increase a single crop's nutrient demands
 - Break pest and disease cycles and balance nutrient use
 - Minimize the need for soil testing
 - Promote soil depletion
- Dark soil color often considered a positive visual indicator & soil health because ____
 - It indicates compacted soil
 - It suggests a low-water holding capacity
 - It indicates high levels of sand
 - It typically signifies high organic matter content

**Section B**

- | | |
|---|----------|
| Q2 Explain significance of soil in ecosystem. | 5 |
| Q3 What are different physical properties of soil? | 5 |
| Q4 What role does soil pH play in fertility? | 5 |

Q5 Explain role of micro-organisms in soil fertility.

5

Q6 Write about essential macronutrients of plants.

5

Q7 What are different soil conservation techniques?

5

