

RAN-2403001301066011 / 2403000501066011

B.Sc. (Bio Technology) (NCF-NEP) (Sem. I) Examination November - 2025

BT-SEC-102 : Study of Soil Profile (Theory)

Time: 30 min]

[Total Marks: 13

સૂચના : / Instructions

- (1) ઉપરોક્ત દર્શાવેલ વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the above details on your answer book
- (2) Figures to the right indicate full marks.
- (3) Draw neat and labeled diagrams wherever necessary.

Seat No.:

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Student's Signature

NOTE: Write any thirteen

(13)

1. The soil scientists known as _____.
2. Clay Particle size less than _____.
 - a. 0.0002
 - b. 0.001
 - c. 0.0001
 - d. 0.002
3. Optimum growth of bacteria in soil pH?
4. Who established first soil forming factors.
 - a. Dokuchaiev
 - b. Jenny
 - c. Johan
 - d. Joffe
5. Full form of USDA.
6. Denitrification is a process of Oxidation or Reduction?
7. Organism utilize carbon from CO_2 for their cellular syntheses is called _____.
8. Which of the following is the correct order of soil particles in order of increasing particle size?
 - a. sand-silt-clay
 - b. silt-sand-clay
 - c. clay-silt-sand
 - d. None of the above
9. Fungi grow in long, threadlike structures, called _____.
10. Biological weathering is caused by _____.
11. A soil profile is made up of different _____.
12. Phosphorus uptake in alkali soil in the form of _____.
13. Size of Gravels.
 - a. 0.1-0.2 mm
 - b. 1-2 mm
 - c. 5-10 mm
 - d. 2-4 mm
14. _____ Horizon soil contains organic components?
15. Which type of soil structure is roughly spherical, like grape nuts?