



'সমানো মন্ত্র: সমিতি: সমানী'

**UNIVERSITY OF NORTH BENGAL**  
B.Sc. Honours 6th Semester Examination, 2023

**CC14-TEA SCIENCE**

Time Allotted: 2 Hours

Full Marks: 40

*The figures in the margin indicate full marks.*

1. Answer any **five** questions from the following: 1×5 = 5
  - (a) What is the full form of USDA?
  - (b) What is PSB?
  - (c) What should be the optimum range of Organic carbon for tea soil?
  - (d) What is porosity of soil?
  - (e) Name two deficiency symptoms of nitrogen.
  - (f) What is the difference between straight fertilizer and compound fertilizer?
  - (g) What is the full form of DAP?
  - (h) What are the components of soil?
  
2. Answer any **three** questions from the following: 5×3 = 15
  - (a) What is the suitable range of pH for tea soil? Write the corrective measures for maintaining optimum pH in tea soil? 1+4
  - (b) Write a short note on soil conservation. 5
  - (c) What do you mean by fertilizer mixtures? Name the materials used in fertilizer mixtures. 1+4
  - (d) Differentiate between organic manure and inorganic fertilizer. 5
  - (e) Write a short note on density of soil. 5
  
3. Answer any **two** questions from the following: 10×2 = 20
  - (a) Draw a diagram of soil profile and describe its components. 10
  - (b) What do you mean by soil nutrients? How does macronutrients differ from micronutrients? Name any three micronutrients and write about their deficiency symptoms. 2+2+6
  - (c) Define mechanical analysis. Write a short note on soil structure with suitable diagram. 2+8
  - (d) Define soil. Differentiate between top and sub soil. 2+8

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