

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

B.Sc. (Agriculture) (Sem.-4)

**PROBLEMATIC SOILS AND THEIR MANAGEMENT**

Subject Code : BSAG-404-19

M.Code : 79743

Date of Examination : 08-07-22

Time : 3 Hrs.

Max. Marks : 60

**INSTRUCTIONS TO CANDIDATES :**

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

**SECTION-A**

1. Write briefly :
  - a) Soils quality
  - b) Eroded soils
  - c) Sodic soils
  - d) Compacted soil
  - e) Wasteland
  - f) Lime material
  - g) Acidic soils
  - h) Gypsum material
  - i) Bio remediation
  - j) Remote sensing.

## SECTION-B

2. Define alkaline soils and also discuss conditions under which these are developed.
3. How artesian and anthropogenic cycles effect formation of salt affected soils?
4. Explain land capability classification in detail.
5. Explain genesis, occurrence and characterization of eroded soils.
6. Explain in detail about soil acidity.

## SECTION-C

7. Explain different liming materials and their properties.
8. Explain remote sensing in diagnosis and management of problem soils.
9. Define acidic soils and discuss conditions under which these are developed.

**NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.**