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Total No. of Pages : 02

Total No. of Questions : 09

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

PROBLEMATIC SOILS AND THEIR MANAGEMENT

Subject Code : BSAG-404-19

M.Code : 79743

Date of Examination : 09-06-2023

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) Bio remediation
- b) Eroded soils
- c) Sodic soils
- d) Compacted soil
- e) Waste land
- f) Lime material
- g) Flooded soil
- h) Gypsum material
- i) Soils quality
- j) Saline soils.

SECTION-B

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

SECTION-C

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

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.