

**U.G. 2nd Semester Examination - 2021****ENVIRONMENTAL SCIENCE****[HONOURS]****Course Code : ENVS-H-CC-P-04****(Land and Soil Conservation and Management)****[PRACTICAL]**

Full Marks : 20

Time : 2 Hours

*The figures in the right-hand margin indicate marks.**Candidates are required to give their answers in their own words as far as practicable.*Answer any **two** of the following:  $10 \times 2 = 20$ 

1. State the principle and procedure for the estimation of soil organic matter. Give the relation between organic matter and organic carbon in soil. 8+2
  2. Define soil profile. Distinguish between soil profile and soil pedon. Draw a neat sketch depicting soil profile. 2+3+5
  3. What is meant by soil degradation? How do you identify degraded land using satellite image? 2+8
  4. What is soil texture? How the soil texture may be changed? Write the principle and procedure of the soil texture analysis? 2+2+6
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