

U.G. 2nd Semester Examination - 2020**ENVIRONMENTAL SCIENCE****[HONOURS]****Course Code : ENVH/CC-P-04****Course Title : 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 determination of organic matter in soil. Write down the working formula to calculate the soil organic carbon. $4+4+2=10$
2. Write down the working principle of flame photometer with a neat diagram. State the procedure for the estimation of potassium in soil. $5+5=10$
3. Describe the profile of lateritic soil with a diagram. 10
4. State the principle and procedure used for the analysis of soil texture. How water holding capacity is influenced by the soil texture? $4+4+2=10$