

**U.G. 4th Semester Examination - 2021**

**ENVIRONMENTAL SCIENCE**

**[HONOURS]**

**Course Code : ENVS-H-CC-P-10**

**(Environmental Pollution and Human Health)**

**[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. Write down the principle, required materials and standard procedure for the estimation of COD of a water sample.  $4+2+4=10$
2. Write down the principle, required materials and standard procedure for the determination of arsenic of a tubewell water sample.  $4+2+4=10$
3. Write down the principle, required materials and standard procedure for the analysis of  $SO_x$  of an air sample of industrial area.  $4+2+4=10$

4. What is meant by total coliform load in wastewater? Write down the principle, required materials and standard procedure for the enumeration of coliform bacteria of wastewater.  $2+8=10$

*[Turn over]*