

B.Sc. Semester-VI Examination, 2022-23**ENVIRONMENTAL SCIENCE [Honours]**

Course ID : 61811 Course Code : SH/ENV/601/C-13

Course Title : Environmental Pollution and Human Health

Time : 1 Hour 15 Minutes Full Marks : 25

*The figures in the right-hand margin indicate marks.**Candidates are required to give their answers in their own words as far as practicable.*1. Answer any **five** of the following questions:

1×5=5

- Mention the major variables for calculating AQI.
- What are the visible symptoms of health effects of cadmium and mercury pollution?
- What is VOCs?
- Mention the ambient noise level in two different places according to CPCB.
- Mention two important sources of thermal pollution.
- Define 'biomagnification'.
- What does CNG stand for?
- What is 'DO'?

2. Answer any **two** of the following questions:

5×2=10

- Explain the causes of formation of smog and its potential health effects. 3+2
- Explain the process of radioactive pollution and mention some effect of radiation on human health (somatic and genetic effect). 2+3
- Explain the process of eutrophication of a pond in an urban area.
- Briefly explain the different causes of soil pollution and mention some effect of soil pollution on environment. 3+2

3. Answer any **one** of the following questions:

10×1=10

- Explain with a suitable diagram of the Activated Sludge Process (ASP) in treating municipal wastes.
- Analyse the impact of air pollution on environment and suggest some control measures to reduce air pollution in India. 5+5
