

B.Sc. 6th Semester (Honours) Examination, 2021

Environmental Science

Course ID: 61811

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

Course Title: Environmental Pollution and Human Health

Time: 1 hr 15 Min.

Full Marks: 25

The figures in the right hand side margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

1. Answer any five from the following questions:

1 x 5 = 5

- a) Mention the major variables for calculating AQI.
- b) What are the visible symptoms of health effects of arsenic and fluoride pollution?
- c) What is Minamata disease?
- d) What is the ambient noise level in India?
- e) Mention two important sources of marine pollution.
- f) Define 'biomagnification'.
- g) What does CNG stand for?
- h) What is 'oxidation pond'?

2. Answer any two from the following questions:

5 x 2 = 10

- a) Explain the causes of formation smog and its potential health effects.
- b) Explain the process of groundwater pollution from solid waste disposal sites with appropriate diagrams.
- c) Explain the process of eutrophication of a pond in an urban area.
- d) Briefly analyse the role of electrical vehicles in controlling air pollution in Indian megacities.

3. Answer any one from the following questions:

10 x 1 = 10

- a) Explain with a suitable diagram of the Activated Sludge Process (ASP) in treating municipal wastes.
- b) Analyse the impact of COVID-19 pandemic on environment and suggest some long term measures to reduce environmental pollution in India.