

U.G. 4th Semester Examination - 2021

Environmental Science

[HONOURS]

Course Code : ENVS-H-CC-L-10

(Environmental Pollution and Human Health)

Full Marks : 20

Time : 1 Hour

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** from the following: $1 \times 5 = 5$
- What is secondary air pollutant? Give an example.
 - Mention the harmful effects of $PM_{2.5}$ on human health.
 - What is arsenicosis?
 - Mention the acceptable noise levels for industrial area and classroom.
 - Why thermal pollution is harmful to fish population?
 - What is Type A oil spill?
 - Name two chelating agents for heavy metal detoxification.

2. Answer any **one** of the following: $5 \times 1 = 5$
- How is vehicular pollution controlled in India?
 - Mention five effective measures to reduce indoor air pollutants.
 - Briefly describe the physiological and psychological effects of noise pollution on human health.
3. Answer any **one** of the following: $10 \times 1 = 10$
- What is soil quality? Describe the causes and effects of soil pollution. $2 + 8 = 10$
 - What is biotrickling filter? State its working principle in an effluent treatment process with a schematic diagram. Write down the oxidative reactions of FeS_2 in acid mine drainage. $2 + 5 + 3 = 10$
 - Write short notes on the following: $5 + 5 = 10$
 - Coral bleaching
 - Clean technologies for air pollution control