

B.Sc. Sem.-6 Examination

CC-308

Env. Science

April-2025

Time : 2-30 Hours]

[Max. Marks : 70

- Instructions:** (1) Draw figures where necessary.
(2) Show question number against each answer.
(3) Figures in right are marks.

Q.1 Note down on Atomic absorbance Spectroscopy in detail. (14)

OR

Q.1(A) Applications of UV.VIS in the analysis of water and soil sample. (07)

Q.1(B) Explain the determination of turbidity in water. (07)

Q.2 Note down the classification of chromatographic separation. (14)

OR

Q.2 (A) Write a note on Gas chromatography. (07)

Q.2 (B) write a note on LCM-MS in detail. (07)

Q.3 Note down the design of major ETP units. (14)

OR

Q.3(A) Write down the characteristics of waste from dye industry. (07)

Q.3(B) Explain the characteristics of Tannery Industry. (07)

Q.4 Discuss the principle of remote sensing and its types. (14)

OR

Q.4 (A) Detail note on GIS and types. (07)

Q.4 (B) Function of remote sensing in Landslides & Earthquake. (07)

Q.5 Answer any **seven** out of twelve. (14)

- 1) Principal of UV spectroscopy.
- 2) Function of GC-MS.
- 3) Which mobile phase use in column chromatography?
- 4) What is the role of the stationary phase in chromatography?
- 5) Characteristics of Dye industries.
- 6) Briefly explain the difference between active and passive sensors in remote sensing.
- 7) Full form of IFFCO & IPPCO.
- 8) Write full-form of GIS and GPS.
- 9) Full form of FTIR.
- 10) Define: Air borne sensor.
- 11) Define: CETP.
- 12) Role of Nephelometry.