

ES-3745

M. Sc. (Fourth Semester) Special Examination, 2020

CHEMISTRY/APPLIED CHEMISTRY

Paper : Fifth (Optional Course-V : MCH-405-c)

(Environmental Chemistry)

Maximum Marks : 35

Note: Attempt all questions. Each question carries equal marks.

1. Write an explanatory note on biogeochemical cycles of carbon and nitrogen.
2. What is acid rain? What are gases present in atmosphere responsible for such rain formation? Also give adverse impact of acid rain.
3. How are DO, BOD and COD determined in a water sample?
4. Highlight the biochemical and damaging effects of Hg and Pb.
5. Write notes on any **two** of the following :
 - (i) Soil composition
 - (ii) Soil pollution by plastic
 - (ii) London smog