

SESSIONAL EXAMINATION-2025
NORTH GAUHATI COLLEGE
B. Sc. SEMESTER-VI (CBCS)
SUB: CHEMISTRY (HC)
Paper-CHE-HE-6026

TOTAL MARKS: 30

TIME: 1 Hour

The figures in the margin indicate full marks for the questions

Answer the followings:

1. How can you prepare Hydrogen peroxide (H_2O_2) in laboratory? Mention some industrial applications of H_2O_2 2+3=5
Or,
What is bleaching powder? How it can be synthesized? Give some important uses of bleaching powder. 1+2+2=5
2. (a) Describe the bleaching action of soap and detergent. 3
Or,
What is borax? Mention some important uses of borax. 1+2=3
(b) What precaution have to be taken while using hydrochloric acid (HCl)? 2
3. What is an ecosystem? Considering pond as a natural ecosystem, briefly describe about the different components of ecosystem 1+4=5
Or,
Briefly describe about the industrial waste management. 5
4. Discuss about the causes and effects of ozone layer depletion. 5
Or,
What are the greenhouse gases? How is it related to global warming? 1+4=5
5. What are the major sources of air pollution? What control measures could be taken to prevent air pollution? 2+3=5
Or,
What are the causes of water pollution? What are the different techniques for measuring water pollution? 2+3=5
6. What are effluent treatment plants? What are the different processes associated with it? 1+4=5
Or,
Briefly describe about different water purification methods. 5
