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Roll No

CM-502 (GS)
B.E. V Semester Examination, June 2020
Grading System (GS)
Inorganic Process Technology
Time : Three Hours

Maximum Marks : 70

Note: i) Attempt any five questions.

ii) All questions carry equal marks.

1. What is industrial importance of oxygen? Explain a process in detail showing the manufacturing of oxygen by air liquefaction. How purity of oxygen can be improved?
2. How is ammonium sulphate obtained? Give one method. Explain the action of ammonium sulphate as fertilizer.
3. Explain manufacturing of phosphoric acid by wet process (strong H₂SO₄ leaching-IMI process) with neat flowsheet.
4. Briefly discuss the major engineering problems associated with caustic soda production.
5. Explain the principles of DCDA process in the manufacturing of sulphuric acid.
6. Define the white cement. Discuss the manufacturing process of port land cement also discuss its major engineering problems.
7. What are the deposits of water soluble natural gas. Does Iodine exists there? Explain it.

OR

- a) State the application of Argon and Helium gases.
 - b) Write the end uses of nitric acid also discuss its manufacturing process by Ammonia Oxidation Process.
8. Write short notes on:
- i) Iodine production
 - ii) Recycling of Iodine
