

12 APR 2019

Seat No. _____

Examination March / April – 2019
B.Sc. Sem. – II
Industrial Chemistry, Paper- ICHCC-201, Subject Code: 20615
Subject Title – Industrial aspects of chemistry

Time: **2.30** Hours

Maximum Marks: **70**

- Que.1 (A) Discuss types of colloids in detail. [10]
(B) Write about lyophobic sols. [04]
- OR
- Que.1 (A) Discuss Bredig's methods for preparation of sols. [10]
(B) Write about micelles. [04]
- Que.2 Write a note on gravity separation and roasting. [14]
- OR
- Que.2 Write a note on magnetic separation and reduction in detail. [14]
- Que.3 (A) Explain physico chemical principal of extraction and chemical properties of Zn. [10]
(B) State and explain industrial application of Zn. [04]
- OR
- Que.3 (A) Explain physico chemical principal of extraction and chemical properties of Na. [10]
(B) State and explain industrial application of Na. [04]
- Que.4 (A) Classify fuel with example. [10]
(B) Write about water gas. [04]
- OR
- Que.4 (A) Explain Refining of petroleum with flow neat sketch. [10]
(B) Write about calorific value of fuel. [04]
- Que.5 Write a note on ion exchange process for softening of water and waste water treatment plant. [14]
- OR
- Que.5 Write a note on chemical methods for sterilization and merits and demerits of zeolite process. [14]