

T.Y.B.SC. SEM – V (2014 COURSE) : WINTER - 2017
SBUEJCT: CHEMISTRY INDUSTRIAL CHEMISTRY –V

Day: **Wednesday**
Date: **01/11/2017**

Time: **03.00 PM TO 05.00 PM**
Max. Marks: 40

W-2017-0663

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Draw neat diagrams **WHEREVER** necessary.

Q.1 Attempt any **TWO** of the following: **(10)**

- a) Explain the physicochemical principles involved in the manufacture of nitric acid.
- b) Explain any one process in detail for the clarification of the juice
- c) Explain the terms:
 - i) Unit process
 - ii) Unit operation

Q.2 Attempt any **TWO** of the following: **(10)**

- a) Explain the modified Bosch-Haber process for the manufacture of ammonia.
- b) Explain the terms conversion, selectivity and yield.
- c) Write a note on 'Crystallization of Sugar'.

Q.3 Attempt any **TWO** of the following: **(10)**

- a) Describe the manufacture of Glass by Pot furnace method.
- b) Explain the process for the manufacturing of Naphthalene ball.
- c) Explain the manufacture of D.D. T.

Q.4 Attempt any **TWO** of the following: **(10)**

- a) What is small scale industry? Give the preparation of fountain pen ink.
- b) Explain the manufacture of D.D.D.
- c) Write a note on 'special glasses'.

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