

T.Y.B.SC. SEM – V (2014 Course) : SUMMER - 2019

SUBJECT: INDUSTRIAL CHEMISTRY-V

Day: Wednesday
Date: 24/04/2019

Time: 12.00 NOON TO 02.00 PM
Max. Marks: 40

S-2019-1014

N.B.:

- 1) All Questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Both sections should be written in **SAME** answer sheets.

SECTION –I

Q.1 Attempt **ANY TWO** (10)

- a) Explain Ostwald's process for the manufacture of nitric acid.
- b) Describe Unit operation within the sample.
- c) Discuss Carbonation process for clarification of juice.

Q.2 Attempt **ANY TWO** (10)

- a) Discuss the physico chemical principle involved in the manufacture of ammonia.
- b) Differentiate between Batch operation and Continuous operation.
- c) Give the preparation of 'Gum paste'.

SECTION -II

Q.3 Attempt **ANY TWO** (10)

- a) Discuss the process for the manufacture of Agarbattis.
- b) Explain the manufacture of window glass by 'fourcalt process'.
- c) Write a note on 'Nicotinoids'.

Q.4 Attempt **ANY TWO** (10)

- a) Give the classification of insecticides according to their mode of action.
- b) What is Portland Cement? Give the classification of Cement.
- c) Write a note on "Crystallisation of Sugar".

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