

**T.Y.B.SC. SEM – V (2014 Course) : WINTER - 2018**  
**SUBJECT: CHEMISTRY : INDUSTRIAL CHEMISTRY**

Day: Wednesday  
Date: 17/10/2018

**W-2018-0848**

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

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**N.B:**

- 1) All questions are **COMPULSORY**.
  - 2) Figures to the right indicate **FULL** marks.
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**Q.1** Answer **ANY TWO** of the following: **(10)**

- a) What is small scale Industry? Give the preparation of wax candle.
- b) Explain the process for the manufacture of ammonia by Modified Bosch Haber process.
- c) Write a note on “Crystallization of sugar”.

**Q.2** Answer **ANY TWO** of the following: **(10)**

- a) Draw a flow chart for the manufacture of sugar from sugarcane.
- b) Explain the “Quality Control Process”.
- c) Explain the process for the manufacture of shoe polish.

**Q.3** Answer **ANY TWO** of the following: **(10)**

- a) Explain physico-chemical principles involved in the manufacture of nitric acid.
- b) Explain the process for the manufacture of glass by Tank furnace.
- c) Explain Unit process and Unit operation with suitable example.

**Q.4** Answer **ANY TWO** of the following: **(10)**

- a) What is cement? Discuss the classification of portland cement.
- b) Explain the manufacture of window glass by Fourcault process.
- c) Write a note on “compound imbibitions process”.

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