

**BACHELOR OF SCIENCE (CBCS - 2016 COURSE)**  
**T. Y. B Sc. Sem-VI :SUMMER- 2022**  
**SUBJECT : CHEMISTRY : INDUSTRIAL CHEMISTRY-II**

Day : Tuesday  
Date : 12/7/2022

**S-15054-2022**

Time : 11:00 AM-02:00 PM  
Max. Marks : 60

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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** Attempt **ANY TWO** of the following : **(12)**

- a) Describe the process for the manufacture of super phosphate with flow sheet.
- b) What are surfactants? How are they classified?
- c) Write a note on "Synthetic penicillins".

**Q.2** Attempt **ANY TWO** of the following : **(12)**

- a) Explain the process for the manufacture of ammonium sulphate with flow sheet.
- b) Give synthesis, properties and uses of polyethylene.
- c) Write a note on "synthetic rubber".

**Q.3** Attempt **ANY TWO** of the following : **(12)**

- a) What are polymers? How are they classified?
- b) Explain cleaning action of soaps and detergents.
- c) Explain meaning of Analgesics, Antipyretics and Diuretics.

**Q.4** Attempt **ANY THREE** of the following : **(12)**

- a) What are fertilizer? What are the qualities of good fertilizers?
- b) Give synthesis, uses and properties of Teflon.
- c) Write a note on "Special Soaps".
- d) Write a note on "Chemotherapy".

**Q.5** Attempt **ANY FOUR** of the following : **(12)**

- a) Give synthesis and uses of diazepam.
- b) What are the essential elements for plant growth? What are their functions?
- c) What is drug? Give the qualities of good drug.
- d) Write a note on "Phosphatic fertilizer".
- e) Write a note on "Addition Polymerization".
- f) Give synthesis and uses of a p-acetamol.

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