

T.Y.B.SC. SEM – VI (2014 COURSE) : SUMMER - 2018

SUBJECT: CHEMISTRY: INDUSTRIAL CHEMISTRY-VI

Day : **Friday**
Date : **20/04/2018**

S-2018-0785

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

N.B.:

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

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

- a) Discuss the process for the manufacture of superphosphate.
- b) Give the synthesis and uses of sulphanil amide.
- c) Write a note on cleaning action of soap.

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

- a) Give the synthesis and uses of phenobarbital.
- b) What are the essential elements for the plant growth? What are their functions?
- c) Differentiate between soaps and detergents.

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

- a) What are polymers? How are they classified?
- b) Give the synthesis and uses of Indigo dye.
- c) Describe the method for the preparation of toluene from naphtha.

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

- a) What are dyes? Give the qualities of good dye.
- b) Give the synthesis, properties and uses of polystyrene.
- c) Describe the preparation of xylene from naphtha.

* * *