

No of printed pages: 01

Seat No.:



A Charutar Vidya Mandal's Institution
V.P. & R.P.T.P. SCIENCE COLLEGE
(AUTONOMOUS) (Grant-in-Aid)
Affiliated to Sardar Patel University
VALLABH VIDYANAGAR-388120



Bachelor of Science (Semester II) Internal Examination - 2025
US02MAICV01 : INDUSTRIAL CHEMISTRY

Date: 04-03-2024 Day: TUESDAY

Time: 12:45 p.m to 2:15 p.m.

Total marks :30

Note: Figures to the right indicate marks of the question.

- Q-1 Write the most appropriate answer from the following multiple-choice questions. [06]
- 1 What is the measure of a material's ability to resist scratching or indentation?
(a) Toughness (b) Elasticity
(c) Hardness (d) Plasticity
 - 2 Which of the following materials is the best conductor of electricity?
(a) Copper (b) Rubber
(c) Wood (d) Glass
 - 3 What process is used to strengthen glass by controlled heating and rapid cooling?
(a) Annealing (b) Tempering
(c) Lamination (d) Frosting
 - 4 Which of the following is an example of Size Reduction Equipment?
(a) Shell & Tube Heat Exchanger (b) Fractionating Column
(c) Roll Crusher (d) Horizontal Evaporator
 - 5 The corrosion caused by Carbonic Acid present in Hard water is known as.....
(a) Galvenic Corrosion (b) Crevice Corrosion
(c) Pitting Corrosion (d) Stress Corrosion
 - 6 The unit of Hardness is expressed as
(a) P.P.M. (b) A.M.U.
(c) B.T.U. (d) Litre
- Q-2 Write note on factors influencing the selection of materials for industrial application. [06]
OR
- Q-2 Write a note comparison between Ferrous and Non-Ferrous Alloys. [06]
- Q-3 What are the Physical and Chemical Properties of Glass? [06]
OR
- Q-3 What are the Primary raw materials used in cement Industries. [06]
- Q-4 Sketch the following dryers (a) Tray Dryer (b) Spray Dryer. [06]
OR
- Q-4 Sketch a Fractionating Column. [06]
- Q-5 Describe the Disadvantages of Hard Water. [06]
OR
- Q-5 Enlist various methods for Softning of Hard Water. Explain any one. [06]

