

S.Y. B.Sc. (Industrial Chemistry) Examination

Oct. 2017

Paper- IC-201: Material Science

Paper Code: 8393

Time: 2.00 Hours

Maximum Marks: 75

- Que.1 Draw typical symbol of any six of following. [18]
- (1) Drum dryer
 - (2) Extruder
 - (3) Roll mixer
 - (4) Basket strainer
 - (5) Three way valve
 - (6) Check valve
 - (7) Special pipe
 - (8) Union joint
 - (9) Ejector
- Que.2 (A) Write a brief note on electro-chemical industry. [10]
(B) Discuss flow sheet preparation and elements of flow diagram. [09]
- OR
- Que.2 (A) Discuss industrial production of NaHCO_3 . [10]
(B) Discuss industrial production of NaOH . [09]
- Que.3 (A) What is corrosion? Explain various types of corrosion with example. [10]
(B) Discuss prevention of corrosion in detail. [09]
- OR
- Que.3 (A) With neat sketch describe manufacturing of PbCO_3 . [10]
(B) With neat sketch describe manufacturing of Chrome yellow. [09]
- Que.4 (A) What is ceramic? Classify it with example. [10]
(B) Discuss industrial production of lime. [09]
- OR
- Que.4 (A) What is glass? Discuss industrial production of glass. [10]
(B) Explain portland cement in detail. [09]