

Univ. No. -----

II- MID Term Examination
Odd-Semester 2017-18

Course: B. Tech.
Year:-I
Time: 1 Hour

Subject with Code: Engg. Chemistry (AHC1101)
Branch: - Computer Science & Engineering
Max. Marks: 15

Section-A

Note:-Attempt all questions

(3X2=06 Marks)

1. What do you understand by hardness of water? What are the boiler problems?
2. Mention technical aspects of Zeolite **or** ion exchange process with suitable diagram.
3. Differentiate thermoplastic and thermosetting polymer.

Section-B

Note:-Attempt all questions

(3X3=09 Marks)

1. (i) Give your views on one glass widely used in Chemical industry.
(ii) Briefly explain technological applications of Biomaterial with suitable examples.
2. Standard hard water contains 18 g of CaCO_3 per litre. 25 ml of this require 30 ml of EDTA solution. 100ml of sample of water require 20 ml EDTA Solution. The same sample after boiling required 14 ml EDTA solution. Calculate the temporary hardness of the given sample of water.
3. Write the preparation and applications of the following polymer.
 - (i) Nylon 6,6
 - (ii) Bakelite