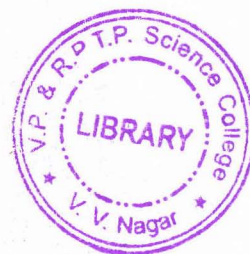


V.P & R.P.T.P Science College
F.Y. B.Sc Industrial Chemistry Vocational,
Semester-II, US02CICV02

19th March, 2015

Thursday



Time: 01:00 pm to 2:00 pm

Total Marks:25

Q1. Answer the following multiple choice questions.

[03]

1. Which from the following is an example of filter media?
a. Canvas b. Plastic c. Glass d. Both (a) and (b)
2. _____ is added to increase the porosity of cake.
a. Coagulants b. Polymers c. Gum d. Filter aid
3. In ribbon blender solid is charged from _____
a. Top b. Bottom c. Side ways d. Both (a) and (b)

Q-2 Answer any three of the following: (Any Two)

[04]

1. Write down the characteristics of filter medium.
2. Differentiate between cake filtration and deep bed filtration.
3. Write down the practical aims of mixing.
4. Draw a neat sketch of typically agitated vessel.

Q – 3 Write a short note on Filter Aid along with its ideal properties and methods of using it. [09]

OR

Q – 3 Write down construction, working and advantages of Rotary Drum Filter [09]

Q – 4 (a) Give methods of avoiding vortex in agitated vessel [04]

(b) Write a short note on mixing with gases with liquids [05]

OR

Q – 4 With neat sketch explain in detail about various types of impellers. [09]