

Seat No. _____

Examination December – 2020
B.Sc. Semester – III
Industrial Chemistry: Paper – ICHCC – 304, Code: 20684
Subject Title: Fine and Heavy Chemicals - I

11 DEC 2020

Time: 1.30 hr]

[Total Marks: 42

Que.1 (A) Discuss positive and negative catalysis with example. [14]

OR

Que.1 (A-I) Write short note on Pd. [07]

(A-II) Write short note on Ni-H. [07]

Que.2 (A) With suitable diagram explain industrial production of sulphuric acid. [14]

OR

Que.2 (A-I) Draw only flow sheet diagram of industrial production of phosphoric acid. [07]

(A-II) Discuss industrial application of ammonia and nitric acid. [07]

Que.3 (A) Explain production of iodine with flow sheet diagram. [14]

OR

Que.3 (A-I) Give an industrial application of NaCl and KCl. [07]

(A-II) Give an industrial application of hydrobromic acid and boric acid. [07]

Que.4 (A) What is soap? Explain toilet soap and metal soap with example. [14]

OR

Que.4 (A-I) Write a short note on anionic detergent. [07]

(A-II) Classify surface active agents with example. [07]

નોંધ:

- પ્રશ્નપત્રનો સમય ૧.૩૦ કલાકનો રહેશે.
- પ્રશ્નપત્રમાં ૪ પ્રશ્નોમાંથી કોઈ પણ ત્રણ પ્રશ્નોના જવાબ આપવાનો રહેશે.
- દરેક પ્રશ્નના ગુણ એકસરખા (૧૪ માર્ક્સના) રહેશે. પ્રશ્નપત્ર કુલ ૪૨ માર્ક્સનું રહેશે.