

S.NO: 22N1-PCH

Course Code: PGQE2

A.D.M.COLLEGE FOR WOMEN, NAGAPATTINAM

(AUTONOMOUS)

M. Sc. (Chemistry) Degree Examination

III Semester – November – 2022

EC II – INDUSTRIAL CHEMISTRY

Time: 3 hours

Maximum Marks: 75

Section –A

10X2=20

Answer **ALL** the Questions:

1. What is called unit operation?
2. Write any two uses of market evaluation.
3. Define octane number.
4. What are detergents?
5. Name any two paper industries in Tamil Nadu.
6. Give the advantages of chip wood.
7. Define perfumes.
8. Write the uses of perfumes.
9. List out the examples of starch products.
10. What are industrial explosives?

Section -B

5X5=25

Answer **ALL** the Questions:

11. a) Describe the unit operation in chemical conversion.

(or)

b) Account on: chemical process control.

12. a) Describe the sewage wastewater treatment.

(or)

b) Write notes on: cracking

13. a) Discuss the manufacture of paper.

(or)

b) Establish the manufacturing process of resins.

14. a) Explain briefly about the flower perfumes.

(or)

b) Discuss about the artificial flavours.

15. a) Explain the manufacture of sugar.

(or)

b) Describe the manufacture of safety matches.

Section -C

3 X 10 = 30

Answer any **THREE** Questions:

16. Discuss the research & development and its role in chemical industries.
17. Explain the manufacture of soap from oils and refining of edible oils.
18. Give an account on the following: i) Condensation polymerization
ii) fire retarding wood (5+5)
19. Describe the production and synthetic perfumes with suitable examples.
20. How will you manufacture butanol and acetic acid by fermentation processes?