## BSIC-MJ303

B.Sc. DEGREE EXAMINATION, NOV./DEC. - 2024 (THIRD SEMESTER) (Major) INDUSTRIAL CHEMISTRY

> Chemical Process Industries - III (w.e.f. 2023-2024 Admitted Batch)

Max. Marks: 75 Time: 3 Hours

## PART - A

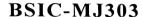
 $(5\times 5=25)$ 

## Answer any FIVE questions.

- Explain metal spraying. 1.
- Explain uses of pigments. 2.
- Give the Classification of paints. 3.
- Explain about filling and sizing. 4.
- Give the differences between synthetic and natural 5. fibers.
- Explain copolymerisation. 6.
- Explain types of Rubber. 7.
- Give the properties of plastics.

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[P.T.O.



## PART - B

 $(5 \times 10 = 50)$ 

Answer ALL questions.

a) Explain types of metal coating.

OR

- b) Explain the commertial method of preparation of pigments.
- 10. a) Explain the manufacturing of paints.

OR

- b) Explain the manufacturing of paper.
- 11. a) Explain the preparation of rayon, nylon 6, 6 and terylene.

OR

b) Explain the preparation of Teflon and acetone rayon.

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12. a) Explain different types of Rubber.

OR

- b) Explain the manufacturing of Rubber.
- 13. a) Explain Addition polymerisation with mechanism.

OR

b) Explain condensation polymerisation with examples.

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