

- (b) Discuss the applications of various latex based adhesives. 10
4. (a) Discuss the role of various ingredients which are used for compounding latexes. 10
- (b) Describe the production process of flock-lined household gloves. 10
5. (a) Describe the various types of moulds that are used in casting of latex articles. 10
- (b) Explain the process of coating of textile fabrics with rubber. 10
6. (a) Explain the process of preparation of prevulcanized latex. 10
- (b) Describe the process of manufacturing of coarse elastic thread. 10
7. Write short notes on any *four* of the following : 4 × 5
- (a) Latex cement
- (b) Tyre cord dip
- (c) Latex allergy
- (d) Latex paint
- (f) Future prospects of latex products
8. (a) Give details about the use of latex in road and pavement construction. Mention its advantages also. 10
- (b) Write about the latex emulsions and report their merits in the products with two suitable examples. 10

[This question paper contains 2 printed pages.]

Your Roll No. ....

3172A

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**M. E. Polymer Technology**

Paper—CH.552

(Latex Technology)

Time : 3 Hours

Maximum Marks : 100

*(Write your Roll No. on the top immediately  
on receipt of this question paper.)*

*Attempt any five questions.*

*All questions carry equal marks.*

1. (a) What is normal latex? Describe the various methods of concentrating natural latex. 10
- (b) Describe various steps involved in the manufacturing of Tufted carpets. 10
2. (a) Explain the steps involved in the preparation of aqueous dispersions to be added to latex. 10
- (b) Discuss the manufacturing of foam by Dunlop process in detail. 10
3. (a) Describe the process of manufacture of microporous ebonite used as separator in secondary batteries. 10

[P. T. O.]