

Roll No.
Printed Pages : 2

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BT-7/D12

TEXTILE FINISHING

Paper-TT-421

Time allowed : 3 hours *[Maximum marks : 100]*

Note : Attempt any five questions selecting at least one question from each unit.

Unit-I

1. Classify various chemical and mechanical finishes. Describe various finishing processes such as potting, crabbing, decatizing and milling of wool. 5+15=20
2. Discuss principle and construction detail of calendering machine. Mention various type of calendering operations in detail with suitable sketch. 5+15=20

Unit-II

3. Describe various antcrease finishes and its related problems. Mention developments in antcrease finishes with its evaluation techniques. 10+10=20
4. (a) Mention LOI, char length, pyrolysis, combustion, phosphorylation, phosphonylation and evaluation of flame retardants. 10

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(2)

- (b) Describe flame retardants for natural and synthetic textile materials in detail. 10

Unit-III

5. Describe mechanism, source, properties of enzyme. Mention various enzyme applications such as bio-polishing, etc in detail. 10+10=20
6. Differentiate between water repellent and water proof finishes. Describe various water and oil repellent finishes with their evaluation methods. 5+15=20

Unit-IV

7. Write detail note on plasma applications in textiles. 20
8. Write short notes on the following :
 - (a) Self cleaning
 - (b) Fragrance finish
 - (c) UV protection
 - (d) Antiodour finish. 5×4=20

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