

Department of Textile Technology
Major examination
Theory and Practice of Textile Finishing (TTL742)

22.11.08
3:30 PM- 5:30PM
MM: 40

Note : Please attempt all questions in sequence

Q1. Explain how - (2x6)

- (a) Is static charge generated in textiles
- (b) Wrinkles develop in cellulosics
- (c) One side coating can be applied on textiles
- (d) Embossing effects can be made permanent
- (e) Plasma imparts enhanced wettability
- (f) Stability of foam liquors can be enhanced

Q2.

- (a) What are the mechanisms of release in microcapsules. Explain with examples. (3)
- (b) Antimicrobial finishes are often applied by microencapsulation but not the ease care finish, why? (1)

Q3. List two mechanisms by which the following work (please give examples) (2x6)

- (a) Antistat agents
- (b) Antimicrobial agents
- (c) UV protective agents
- (d) FR agents
- (e) Crease recovery imparting agents
- (f) Softeners

Q4. Differentiate between: (2x6)

- 1. Pile and counter pile rollers
- 2. Microcapsules and microspheres
- 3. Interfacial and in situ polymerization for capsule formation
- 4. Bound and leaching type antimicrobial agents
- 5. Nano finishing and normal finishing techniques
- 6. Cross linking of cotton with N methylol based compounds and BTCA.