

- Q.31 Give essential requirements of surfactants.  
 Q.32 Write note on desizing & required agents.  
 Q.33 Write short note on stiffening agents.  
 Q.34 Mention the desirable characteristics of good softener.  
 Q.35 Write note on cross linking agents.

#### SECTION-D

**Note:** Long answer type questions. Attempt any two questions out of three questions. (2x10=20)

- Q.36 Discuss the role of thickeners & binders in printing.  
 Q.37 Write short note on  
 a) Enzymatic Desizing  
 b) Peroxide Bleaching  
 Q.38 Discuss the role of anti-foaming agents & wetting agents in printing.

No. of Printed Pages : 4

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### 3rd Sem / Textile processing Subject:- Textile Auxiliaries & chemicals

Time : 3Hrs.

M.M. : 100

#### SECTION-A

**Note:** Multiple choice questions. All questions are compulsory (10x1=10)

- Q.1 Singeing is process of removal of-  
 a) Wax b) Starch  
 c) oil d) Protruded fibres  
 Q.2 Scouring is process of removal of-  
 a) Oil & wax b) Starch  
 c) color d) Protruded fibres  
 Q.3 Bleaching is process of removal of-  
 a) Starch b) natural color  
 c) protruded fibres d) none of these  
 Q.4 Colour is given by  
 a) Dyeing b) bleaching  
 c) scouring d) desizing  
 Q.5 Kier machine is used for  
 a) Printing b) Scouring  
 c) drying d) none of these

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- Q.6 Which finish is given to prevent passage of only water not air  
 a) Water proffing      b) Water repellancy  
 c) flawe proofing      d) moth proofing
- Q.7 Coning oils are used during  
 a) Winding      b) washing  
 c) drying      d) dyeing
- Q.8 Name the oldest kyre assistant  
 a) HCI      b) Soap  
 c) H2SO4      d) none of these
- Q.9 Name the most common lubricant  
 a) Mutton or beef tallow  
 b) glycerine  
 c) salicylic acid  
 d) none of these
- Q.10 Which chemical saponifies the impuritities during scoring.  
 a) Soap      b) water  
 c) NAOH      d) none of these

### SECTION-B

**Note:** Objective type questions. All questions are compulsory. (10x1=10)

- Q.11 Name one antifoaming agent.  
 Q.12 Object of bleaching.

- Q.13 Name one dye fixing agent.  
 Q.14 Name any one method of desizing.  
 Q.15 Name one bleaching agent.  
 Q.16 Name any one stiffening agent.  
 Q.17 Roll of thickner in printing.  
 Q.18 Object of water proofing.  
 Q.19 Object of wash & wear finish.  
 Q.20 Object of scouring

### SECTION-C

**Note:** Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)

- Q.21 What is the role of lubricants in sizing.  
 Q.22 Enlist various auxiliaries used in printing.  
 Q.23 Discuss the function of anionic agents.  
 Q.24 Write short note on sequestering agents used in scouring and bleaching.  
 Q.25 Write short note on scouring of cotton.  
 Q.26 Define textile auxiliaries. How they help in textile processing.  
 Q.27 Enlist various auxiliaries used in sizing.  
 Q.28 What are hygroscopic agents. Discuss their role in printing.  
 Q.29 What is the Role of anti-foaming agents in dyeing.  
 Q.30 Write short note on levelling agents.