

- Q.32 Differentiate between water proofing and water repellenency.
- Q.33 Discuss the role of retarding agents in basic dyes.
- Q.34 Enlist various auxiliaries used in dyeing.
- Q.35 Give one essential requirement of surfactant.

#### SECTION-D

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

- Q.36 a) Classify enzymes used for desizing. Discuss due process and mechanism of enzymatic desizing.  
b) Discuss in details about various soil release finish.
- Q.37 Write short note on following:  
a) Optical Brightening Agents  
b) Acid Desizing
- Q.38 Write short note on following  
a) Cross linking agents.  
b) Anti Foaming agents used in Printing

No. of Printed Pages : 4      182632/122632/095155/032655  
Roll No. ....

**3rd Sem.**

**Branch : Textile Proc.**

**Sub: Textile Auxillaries & Chemicals**

**Time : 3 Hrs.**

**M.M. : 100**

#### SECTION-A

**Note: Multiple type Questions. All Questions are compulsory. (10x1=10)**

- Q.1 Scouring is process of removal of  
a) Oil & Wax                      b) Starch  
c) Color                              d) Protruded fibers
- Q.2 Which is not a bleaching agent  
a)  $H_2O_2$                               b) Sodium Hypochlorite  
c) Bleaching powder              d) NaOH
- Q.3 Kier machine is used for  
a) Printing                              b) Scouring  
c) Drying                              d) None of these
- Q.4 Which type of agents are used to remove dye from dyed material  
a) Stripping agent                      b) Dye fixing agents  
c) Carriers                              d) Sequestering agents
- Q.5 An Optical Brightener is \_\_\_\_\_.  
a) Synthetic Blueing Agent  
b) A color less Dye  
c) A fluorescent compound  
d) An optical whitener

- Q.6 Mercerization of cotton is carried by using \_\_\_\_.
- a) Sodium Hydroxide      b) Sulphuric Acid  
c) Acetic Acid              d) None of these
- Q.7 A surfactant is a \_\_\_\_.
- a) Cleaning Agent          b) Drug  
c) Shampoo                  d) Acid
- Q.8 Most suitable thickener for reactive dye printing on cotton is \_\_\_\_.
- a) Starch  
b) Carboxy methyl cellulose  
c) Sodium Alginate  
d) Gum Arabic
- Q.9 What type of agent are used to reduce generation of electrical charges.
- a) Anti pilling agents  
b) Anti foaming agents  
c) Moth proofing agents  
d) Anti static agents
- Q.10 Growth of moth is prevented by
- a) Water proofing              b) Flame proofing  
c) Moth Proofing              d) Rot proofing

### SECTION-B

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

- Q.11 Define Printing.
- Q.12 Write any one objective of desizing?

(2)

182632/122632/  
095155/032655

- Q.13 Name any one bleaching agent.
- Q.14 Name any one method of desizing.
- Q.15 Object of wash & wear finish.
- Q.16 Name any two anti foaming agents.
- Q.17 What is OBA?
- Q.18 Name any one chemical which is water repellent.
- Q.19 What is due role of thickeners in printing.
- Q.20 Write full form of DMDHEU.

### SECTION-C

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

- Q.21 Briefly write about levelling agents?
- Q.22 Write a short note on sequestering agents?
- Q.23 Discuss the function of anionic agents.
- Q.24 Mention due desirable characteristic for a carrier.
- Q.25 Define textile auxiliaries. How they help in textile processing.
- Q.26 Write short note on auxiliaries used mercerization.
- Q.27 Discuss about migration inhibitor.
- Q.28 What factors should be considered during choice of auxiliaries.
- Q.29 What are anti static agents.
- Q.30 Write short note at stripping agents in dyeing.
- Q.31 Discuss the role of cross linking agents in finishing.

(3)

182632/122632/  
095155/032655