

**2nd Year / Textile Processing**  
**Subject : Textile Auxiliaries and Chemicals**

Time : 3 Hrs.

M.M. : 60

**SECTION-A**

**Note:** Multiple choice questions. All questions are compulsory  
(6x1=6)

- Q.1 Singeing is process of removal of which fibres ?  
a) Wax                          b) Protruding  
c) Oil                            d) Starch
- Q.2 Name the most common lubricant used in sizing ?  
a) Tallow                        b) Glycerin  
c) Salicylic acid                d) All of these
- Q.3 Which of the following is a kier assistant ?  
a) HCl                            b) Soap  
c)  $\text{H}_2\text{SO}_4$                       d) None of these
- Q.4 Oils are used in spinning of ?  
a) Yarn                            b) Washing  
c) Drying                         d) Dyeing

Q.5 Which finish is given for protection against moths ?

- a) Water proofing      b) Water repellancy
- c) Flame proofing      d) Moth proofing

Q.6 Kier machine can be used for

- a) Printing                b) Inspection
- c) Drying                 d) Scouring

### **SECTION-B**

**Note:** Objective/ Completion type questions. All questions are compulsory. (6x1=6)

Q.7 Give one object of water proofing ?

Q.8 pH for scouring of cotton is ?

Q.9 Give one object of fire retardancy ?

Q.10 List any two sequestering agent ?

Q.11 List any two anti-static agent ?

Q.12 List any two dye fixing agent ?

### **SECTION-C**

**Note:** Short answer type questions. Attempt any eight questions out of ten questions. (8x4=32)

Q.13 Write note on cross linking agents ?

Q.14 Mention the desirable characteristics of good softener ?

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Q.15 Write short note on stiffening agents ?

Q.16 Write note on desizing & required agents ?

Q.17 Give essential requirements of surfactants ?

Q.18 Write short note on levelling agents ?

Q.19 What is the Role of anti-foaming agents in dyeing ?

Q.20 What are hygroscopic agents . Discuss their role in printing?

Q.21 Enlist various auxiliaries used in dyeing ?

Q.22 What are hygroscopic agents . Discuss their role in printing ?

### **SECTION-D**

**Note:** Long answer type questions. Attempt any two questions out of three questions. (2x8=16)

Q.23 What is the purpose of soil release finish . Give detail of various auxiliaries used for soil release finish?

Q.24 Write object of water proofing . Write the function of various auxiliaries used for water proofing ?

Q.25 Explain the following the process of acid desizing and mercerization for cotton material ?

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