

2nd Sem. / 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 Which of the following chemical is used for mercerization?
a) NaCL b) NaOH
c) O₃ d) HCL
- Q.2 Surface tension of water is reduced by?
a) Softeners b) Acid
c) Surfactants d) Wax
- Q.3 EDTA is an example of?
a) Softener b) Sequestering agent
c) Dye d) Pigment
- Q.4 Static charge generation is reduced by?
a) Dyeing b) Printing
c) Pilling agent d) Anti-static agent

Q.5 Natural colouring matter is removed in?

- a) Printing
- b) Scouring
- c) Disizing
- d) Bleaching

Q.6 Hydrophobic impurities are removed in process of?

- a) Bleaching
- b) Scouring
- c) Washing
- d) Printing

SECTION-B

Note: Objective/ Completion type questions. All questions are compulsory. $(6 \times 1 = 6)$

Q.7 Name any one sizing ingredient?

Q.8 List any one stripping agent?

Q.9 Carrier are related to _____ Dyes?

Q.10 Write an example of sequestering agent?

Q.11 List name of any one stiffening agent?

Q.12 Name any one bleaching agent?

SECTION-C

Note: Short answer type questions. Attempt any eight questions out of ten questions. $(8 \times 4 = 32)$

Q.13 Write a note on ingredient of size paste?

Q.14 Classify auxiliaries according to processes?

Q.15 What are the factors involved in selection of textile auxiliaries?

Q.16 Enlist different pre-treatment auxiliaries?

Q.17 What is the role of stripping agents, give two examples?

Q.18 What is need of antifoaming agent in dyeing, give two examples.

Q.19 Name various auxiliaries used in printing of textiles?

Q.20 Explain the role of migration inhibitor?

Q.21 Explain role of binder in textile printing?

Q.22 What is the purpose of hygroscopic agent in printing?

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. $(2 \times 8 = 16)$

Q.23 Explain the role of wetting and antifoaming agents in printing of textiles?

Q.24 Discuss in detail about any three dyeing auxiliaries?

Q.25 Discuss acid and enzymatic desizing of cotton?