

- Q.32 How to find available strength of H_2O_2 ?
- Q.33 Explain in brief about five parameters of waste water.
- Q.34 Write a note on cuprammonium fluidity test.
- Q.35 What is hardness of water? Explain its types.

SECTION-D

Note: Long Answer type question. Attempt any two questions. Out of three questions. (2x10=20)

- Q.36 Explain washing fastness test. Write the detailed procedure to test washing fastness using laundrometer.
- Q.37 Explain and write the procedure and method to test barium activity number?
- Q.38 Illustrate in detail about the instrument and procedure to test light fastness on light fastness tester?

b)

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Roll No.....

4th Sem, Branch : Textile Processing Subject : Textile Chemical Testing

Time : 3 Hrs.

M.M. : 100

SECTION-A

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

- Q.1 Cotton is soluble in ?
a) Acetone b) Acetic Acid
c) 75% H_2SO_4 d) None of these
- Q.2 Textile fiber can be identified by ?
a) Burning Test b) Microscopic Test
c) Solubility Test d) All of these
- Q.3 Caustic Soda (NaOH) is used in.
a) Scouring b) Desizing
c) Mercerizing d) Singeing
- Q.4 Viscometer instrument is used in _____ test?
a) Cuprammonium fluidity
b) Copper number
c) Barium activity number
d) Solubility test
- Q.5 Wood produce _____ like smell on burning?
a) Paper b) Plastic
c) Hair d) None of these

- Q.6 Which instrument is used to test light fastness?
 a) Crock Meter b) Exposure Rack
 c) Laundrometer d) Tachometer
- Q.7 Axial ratio of mercerized cotton is?
 a) 15 b) 1.5
 c) 20.5 d) 50.5
- Q.8 Copper number test is related so?
 a) Mercerization b) Degumming
 c) Bleaching d) Dyeing
- Q.9 Methylene blue is a _____?
 a) Enzyme b) Dye
 c) Pigment d) Softener
- Q.10 How many types of grey scales are there?
 a) 2 b) 4
 c) 8 d) 16

SECTION-B

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

- Q.11 In which chemical Viscose rayon is soluble?
- Q.12 What is full form of TDS?
- Q.13 Name the instrument used to checking perspiration fastness.
- Q.14 Define Deconvolution count.
- Q.15 Define Axial ratio.

- Q.16 Name the instrument used to test sublimation fastness?
- Q.17 Exposure rack is used to check which fastness?
- Q.18 Name the instrument to test web rubbing fastness?
- Q.19 Name a test for estimation of chemical degradation to wool?
- Q.20 Name the types of hardness of water.

SECTION-C

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

- Q.21 Write the importance of Textile Chemical Testing.
- Q.22 Write the procedure of determining blend percentage of polyester wool.
- Q.23 Why soft water is necessary for wet processing?
- Q.24 Give a brief note on copper number test.
- Q.25 Why colour fastness tests are important?
- Q.26 Explain procedure to test wet rubbing fastness.
- Q.27 What are grey scales and where they are used?
- Q.28 Write the procedure of light fastness testing on exposure rack.
- Q.29 Explain briefly method to quantitatively estimate bleaching powder.
- Q.30 Write method to determine fat & wax content in textile material.
- Q.31 Write the method for estimation of Deconvolution count.