Q.29 Write the importance and purpose of Laboratory is Processing plant.

Q.30 Write briefly about copper number test.

Q.31 Write a method to determine fat and wax content in textile material.

Q.32 How will you determine Axial ratio and deconvolution count of a mercerized material.

Q.33 Discuss the importance of Textile chemical testing.

Q.34 Discuss the method of determining available chlorine in sodium hypochlorite.

Q.35 Write down a quantitative method to estimate chemical degradation to wool and polyester.

Section-D

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

Q.36 Explain the methods of determining blend percentage of blend like Polyester/Cotton and Polyester/viscose.

Q.37 Explain the procedure and equipment used to determine light fastness.

Q.38 Write a short note on :

a) Barium activity number

b) Critical dissolution time

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Time : 3 Hrs. M.M. : 100

SECTION-A

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

Q.1 Caustic Soda is used in following process

a) Grey checking b) Mercerisation

c) Singeing d) None of these

Q.2 Cellulosic fibres can be dissolved in _____.

a) Aceton b) Acetic acid

c) Sulphuric acid d) None of these

Q.3 _____fibres give smell of burning hair during burning test

a) Cotton b) Silk

c) Nylon d) None of these

Q.4 _____ instrument is used to test rubbing fasteness.

a) Crockmeter b) Laundrometer

c) Tachometer d) None of these

Q.5 _____ is known as universal bleaching agent

a) Hydrogen peroxide b) Bleaching powder

c) Sodium hypochlorite d) None of these

Q.6 Formation of _____ has affinity for methyelene blue

a) Cellulose b) Oxy Cellulose

c) Protein d) None of these

Q.7 The barium activity number of good mercerized cotton may be around_____.

a) 20-30 b) 700-800

c) 120-130 d) None of these

Q.8 _____ process is used to impact whiteness on cotton material?

a) Bleaching b) Scouring

c) Calendering d) None of these

Q.9 _____ processes was discovered by john mercer.

a) Bleaching b) Scouring

c) Mercerisation d) None of these

Q.10 _____ is the traditional method of estimating the degree of degradation due to oxycellulose formation.

a) Copper number b) Washing fastness

c) Rubbing fastness d) None of these

Section-B

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

Q.11 Crock meter is used to determine _____.

Q.12 Copper Number of mercerized cotton is _____?

Q.13 Give method of determining polyester & viscose fibres in a blend.

Q.14 Write down the full form of TDS.

Q.15 Cotton fibre can be dissolved in _____?

Q.16 What is perspirometer.

Q.17 Define pH.

Q.18 What is axial ratio.

Q.19 Define Effluent.

Q.20 What is soft water.

Section-C

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

Q.21 Illustrate the importance of colour fastness tests?

Q.22 Write a short note on Grey scale.

Q.23 Explain the procedure working of laundrometer.

Q.24 Write a short note on Crockmeter.

Q25 How to quantitavely estimate strength of H_20_2.

Q.26 Write a note on Cuprammonium fluidity test.

Q.27 Write a method to testing damage to salt linkage in wool.

Q.28 Explain the procedure for determining Fat and Wax content in cotton.