

Q.25 Write Flow Diagram for manufacture of cellulose acetate?

Q.26 Explain five properties of cuprammonium rayon?

Q.27 Write five properties of cuprammonium rayon?

Q.28 Draw a flow diagram for the manufacture of Nylon 6?

Q.29 Give difference between nylon 6 and nylon 6,6?

Q.30 Write two step reaction of PET polymerization?

Q.31 Explain dry spinning of acrylic filament?

Q.32 List five chemical properties of Nylon 6?

Q.33 Explain bicomponent spinning?

Q.34 Write a note on spin finish?

Q.35 Explain the production of polypropylene fibre?

#### SECTION-D

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

Q.36 Describe the manufacturing process of viscose rayon fibre?

Q.37 Describe polymerization process of PET in detail?

Q.38 Explain the spinning of nylon 6 filament?

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**6th Sem / Branch : Textile Chemistry  
Sub. : Man Made Fibre production**

Time : 3Hrs.

M.M. : 100

#### SECTION-A

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

Q.1 Degree of polymerization for viscose is \_\_\_\_\_?

- a) 0-10
- b) 300-450
- c) 500-1000
- d) 10000

Q.2 Which of the following a technic of polymerisation?

- a) Colloid
- b) Suspension
- c) Bulk
- d) Spinning

Q.3 Nylon is \_\_\_\_\_ fibre?

- a) Bast
- b) Synthetic
- c) Seed
- d) Protein

Q.4 Strength of Rayon \_\_\_\_\_ when wet?

- a) Increases
- b) Decreases
- c) No change
- d) Constant

**Q.5** Which of the following is a monomer of polyester?

- a) WWF
- b) MEG
- c) MEO
- d) MMM

**Q.6** Viscose Rayon is \_\_\_\_\_ fiber?

- a) Cellulosic
- b) Protein
- c) Synthetic
- d) Animal

**Q.7** Acetate rayon is spun by \_\_\_\_\_ Spinning technique?

- a) Wet
- b) Cold
- c) Hot
- d) Dry

**Q.8** Moisture regain of Viscose rayon is \_\_\_\_\_ %?

- a) 11
- b) 22
- c) 20
- d) 25

**Q.9** Specific gravity of polyester is \_\_\_\_\_ g/cc?

- a) 1.35
- b) 1.54
- c) 1.10
- d) 1.00

**Q.10** Specific gravity of cotton is \_\_\_\_\_ g/cc?

- a) 1.30
- b) 1.52
- c) 1.15
- d) 2.00

## **SECTION-B**

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

**Q.11** What is moisture regain of nylon?

**Q.12** What is Raw material for rayon?

**Q.13** What is melting point of nylon 6?

**Q.14** List any two technique of polymerization?

**Q.15** Write the chemical formula of acetate rayon?

**Q.16** What is the Composition of spinning bath for viscose rayon?

**Q.17** List the uses of lycra?

**Q.18** Write two uses os cuprammonium rayon?

**Q.19** Name any two spin finishes?

**Q.20** Write any two uses of Polypropylene?

## **SECTION-C**

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

**Q.21** Write a note on physical properties of lycra?

**Q.22** Write a note on solution polymerisation?

**Q.23** Explain the preparation process of polypropylene?

**Q.24** Write five properties of viscose rayon?