

### SECTION-C

**Note:** Long answer type questions. Attempt any three questions. 3x10=30

- Q.3 Draw classification charts of textile. Fibres according to their nature & origin, along with example of each.
- Q.4 Explain the different stages of life cycle of a silk worm.
- Q.5 Discuss the manufacturing process of Viscose Rayon in brief.
- Q.6 Discuss the physical and chemical properties of polyester fibres.
- Q.7 Discuss the spinning of Nylon 66 with the help of suitable diagram. Also mention its important uses.

(200)

(4)

122625

No. of Printed Pages : 4

Roll No. ....

122625

**2nd Sem. / TP,TT,TEXT. Chemistry**

**Subject : Textile Fibres**

Time : 3 Hrs.

M.M. : 100

### SECTION-A

**Note:** Very Short Answer type questions. Attempt any 15 parts. (15x2=30)

- Q.1 a) Fibre
- b) Filament
- c) Monomer
- d) Spinnability
- e) Moisture Regain
- f) Elongation
- g) Thermoplasticity
- h) Degree of polymerisation
- i) Multi filament yarn

(1)

122625

- j) Synthetic fibre
- k) Regenerated fibre
- l) Silk reeling
- m) Churning
- n) Ageing
- o) Polyamide fibres
- p) Impurities present in wool
- q) Hydrophillic Fibres
- r) Elasticity

### SECTION-B

**Note:** Short answer type questions. Attempt any ten parts 10x4=40

- Q.2
- i) Give burning test observation for cotton, wool & silk fibres.
  - ii) How will you distinguish silk from wool?

- iii) Give identification of cotton fibre by physical and chemical test.
- iv) Describe silk reeling process.
- v) Write down impurities present in cotton fibres.
- vi) Give the uses of cotton fibre.
- vii) Discuss structure of cotton-fibre.
- viii) Mention important properties of cotton.
- ix) Write a short note on jute-fibre production.
- x) Give Important uses of jute.
- xi) Write a short note on structure of wool.
- xii) Name different types of silk.
- xiii) Mention important properties of Nylon 6.
- xiv) Write important uses of polyester.
- xv) What are important uses of Viscose-Rayon?