

### SECTION-C

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

- Q.3 Explain classification of wool according to source.
- Q.4 Explain the manufacturing of polyester with help of flow chart.
- Q.5 Explain physical & chemical properties of Nylon fibre in detail.
- Q.6 Explain the process of manufacture of cotton in detail.
- Q.7 Explain various methods for production of acrylic fibres. What are various uses of acrylic fibres? Explain in detail.

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**1st Sem. / Textile Design**

**Subject : Textile Processes-I**

Time : 3 Hrs.

M.M. : 100

### SECTION-A

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

- Q.1 a) What is filament?  
b) What is fabric finishing?  
c) Define resilience of a fibre.  
d) What is water absorbency of fibre?  
e) What is Spider Silk?  
f) Name any fire resistant natural fibre.  
g) What is looming?  
h) What is air jet spinning?  
i) What is warping?

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- j) What is waste silk?
- k) What are multifilament fibres?
- l) What is relative humidity?
- m) What is frictionless spinning?
- n) Which synthetic fibre is called artificial silk?
- o) What is fabric?
- p) Give one example of mineral fibre.
- q) Give one example of semi-synthetic fibre.
- r) What is grid spinning?

### SECTION-B

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

- Q.2
- i) What are various disadvantages of weighting of silk?
  - ii) Differentiate between water repellency & water proofing.

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- iii) What are by-products of cotton?
- iv) Differentiate between synthetic & regenerated fibres.
- v) Describe a chemical test to identify polyester.
- vi) Explain spinning process of nylon.
- vii) Compare the properties of wool & silk.
- viii) Differentiate between wild silk & waste silk.
- ix) Describe a chemical test to identify cotton.
- x) Write short note on effect of moisture content on fibre.
- xi) Write one method for production of wool.
- xii) Describe a chemical test to identify jute.
- xiii) Write short note on regenerated fibres.
- xiv) Write four physical properties of silk.
- xv) Explain the relationship between absolute humidity & relative humidity.

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