

**Sem. 1<sup>st</sup> NEP/ Textile Design**  
**Sub : Textile Processes**

**Time : 3 Hrs.**

**M.M. : 60**

**SECTION-A**

**Note:** Multiple Choice Questions. All Questions are compulsory. (6x1=6)

- Q.1 Elasticity is \_\_\_\_\_ the property of fibre.  
a) Bad                                      b) Good  
c) None of the above      d) Both A & B
- Q.2 Twist in yarn up to a limit  
a) Increase the strength of yarn  
b) Decreased the strength of yarn  
c) None of the above  
d) All of the above
- Q.3 Specific gravity or density of cotton fibre is (gm/cm<sup>3</sup>)  
a) 1.52                                      b) 0.98  
c) 1.31                                      d) 1.4
- Q.4 Moisture regain of Nylon fibre is

- a) 4%                                      b) 8%
- c) 16%                                    d) 24%

Q.5 Lumen term is related to which fibre

- a) Silk                                      b) Acrylic
- c) pp (Polypropylene)      d) Cotton

Q.6 Which type of needle used mostly in weft knitting

- a) Beared needle                      b) Compound needle
- c) Latch needle                        d) All of the above

### Section-B

**Note:** Objective type questions. All questions are compulsory. (6x1=6)

Q.7 Jute fibre is obtained from the \_\_\_\_\_ of Jute plant?

Q.8 Name a fibre which dissolves in water?

Q.9 Expand PET.

Q.10 Abaca \_\_\_\_\_ a leaf fibre belongs to which family.

Q.11 \_\_\_\_\_ texturizing method cause one side of the individual filaments to shorten to the other to coil into helical shape.

Q.12 Name the US based company pioneering in manmade fiber production.

### Section-C

**Note:** Short answer type Question. Attempt any eight questions out of ten Questions. (8x4=32)

Q.13 Differentiate between woven and knitted fabric.

Q.14 Draw the Morphological structure of cotton fibre.

Q.15 Write short note on :

- a) Crimp                                      b) Staple length

Q.16 Define warp Knitting with the suitable example.

Q.17 Explain any two classification Jute Fibres.

Q.18 Explain any two physical and chemical properties of wool.

Q.19 Explain any three types of silk fibre.

Q.20 Define Ring Frame with the help of diagram.

Q.21 Define yarn Manufacturing process.

Q.22 Explain and Draw Carding process.

### Section-D

**Note:** Long answer questions. Attempt any two question out of three Questions. (2x8=16)

Q.23 Describe the manufacturing process of viscose rayon fibre with its flow chart.

Q.24 Explain the manufacturing process of polyester fibre.

Q.25 Explain the different types of polyester fibre.