

No. of Printed Pages : 4
Roll No.

060038

SECTION-C

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

- Q.3 Draw a fibre classification chart with mentioning examples of each.
- Q.4 Give a comparison of properties and uses of polyester and nylon fibre.
- Q.5 Draw a flow chart showing the sequence of processes used to convert a cotton fibre into a single combed yarn.
- Q.6 Briefly discuss the function of finishing of a fabric. Discuss any four finishes used to enhance the functional properties of a fabric.
- Q.7 Write note on:
- a) Mercerization
 - b) Blending of fibres

(60)

(4)

060038

3rd Sem. / TT/TP/TD(DET-L)

Subject : TEXTILE RAW MATERIALS

Time : 3 Hrs.

M.M. : 100

SECTION-A

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

- Q.1
- a) Define a textile fibre.
 - b) Define a weaving operation.
 - c) Define moisture content.
 - d) Give the density of wool and viscose fibre.
 - e) Name any four regenerated fibre.
 - f) Mention moisture regain of cotton and acrylic fibre.
 - g) What is synthetic fibre?
 - h) What is Ginning?
 - i) What is noil?

(1)

060038

- j) What is function of drawframe machine?
- k) What is the function of ring and traveler?
- l) Mention the objectives of scouring.
- m) Mention the uses of nylon fibre.
- n) Define Tex and Denier.
- o) Name any four type of finishes.
- p) What is mercerization?
- q) Differentiate between a fibre and filament.
- r) How moisture affects the strength of cotton fibre?

SECTION-B

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

- Q.2
- i) Differentiate between a fibre, filament and spun yarn.
 - ii) Define moisture content and moisture regain. How they are related?
 - iii) Discuss important properties and uses of silk fibre.

(2)

060038

- iv) Make a fibre classification chart of natural fibres.
- v) Mention the difference between a regenerated and synthetic fibre.
- vi) Mention important physical properties of a cotton fibre.
- vii) Differentiate between a natural and regenerated fibre.
- viii) Discuss the objectives of a carding process.
- ix) What is drafting? Mention its objectives.
- x) Draw a path of material on ring frame.
- xi) Mention important end uses of viscose and acetate rayon fibres.
- xii) Discuss different type of dye and their suitability.
- xiii) Give a comparative assessment of physical properties of wool and acrylic fibres.
- xiv) Briefly discuss bleaching and its function.
- xv) Why and how the scouring is done?

(3)

060038