

2.7 30332 FIBER SCIENCE & TECHNOLOGY

UNIT-1

- 1.1 To know about the various classifications of textile fibres their origin and chemical nature, properties etc.
- 1.2 To know about the chemical composition their reaction & methods and uses.

UNIT-2

- 2.1 To know about the cotton, fibre cultivation, Indian & hybrid varieties and its uses.
- 2.2 To know about the Flax fibre and Jute fibre, cultivation and extraction and their uses.

UNIT-3

- 3.1 To know about Wool fibre, their origin, wool producing countries, sequence process for yarn manufacture uses etc.
- 3.2 To know about silk producing countries, life cycle and several process to use silk fabric and uses.

UNIT-4

- 4.1 To study about different techniques of spinning – manufacture of viscose rayon and polynosic rayon etc.
- 4.2 To know about Tencel rayon and HT rayon.

UNIT-5

- 5.1 To know about the manufacture of Nylon 6, Nylon 66 polyester and Acrylic fibre, and their properties & uses.
- 5.2 To know briefly about the Glass fibre, bamboo, casein, carbon, Nomex and Kevlar and Lycra fibres.

Reference Books:

1. Fibre Science by R.Gopalakrishnan and T.Murugan
2. Fibre Science (Tamil) by R.Gopalakrishnan and A.Edwin Sunder

