

MINOR I

TXL 372 : Speciality Yarns and Fabrics (Part B : Fabrics)

Max. Marks : 20 (Each question carries 4 marks)

- ✓ 1. What is critical strength of a warp yarn ? How to determine this value ? How much is this value approximately with respect to warp yarn strength ?
- ✓ 2. What are various constituents of weaving cost ? Give cost comparison of energy, yarn waste and weaving speed of projectile, rapier and air jet weaving systems respectively.
- ✓ 3. Name various control systems in warping machine . How warp density on beam is controlled ?
- ✓ 4. How load-elongation characteristic curve helps to identify normal and faulty sized yarn ? What exactly these curves indicate about sizing process ?
5. How water evaporation requirement during sizing is calculated ? What are all the factors which decide wet size pick up ?