



**SF-6603**

**B. E. - II (Sem. IV) (T.T.) Examination**

**May / June - 2011**

**Weaving - I**

Time : 3 Hours]

[Total Marks : 100

**Instructions :**

(1)

नीचे दृष्टावेक निशानीवाणी विगतो उत्तरवही पर अवश्य लिखवी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/>
← B. E. - 2 (SEM. 4) (T.T.)	<input type="text"/>
Name of the Subject :	<input type="text"/>
← WEAVING - I	<input type="text"/>
← Subject Code No. : <input type="text" value="6"/> <input type="text" value="6"/> <input type="text" value="0"/> <input type="text" value="3"/>	<input type="text"/>
← Section No. (1, 2,.....) : <input type="text" value="NIL"/>	
	Student's Signature

(2) Figures to the right indicate full marks.

- 1 (a) Answer in brief :
- (i) What are the objects of winding ? 3
  - (ii) What are the disadvantages of Knot ? 3
  - (iii) Explain the principle of Pneumatic Splicing. 4
- (b) What are the object of Pirn Winding ? Enlist the qualities of a good pirn. 5
- (c) With the help of block diagram explain working of Photo-electric Clearer. 5
- 2 (a) Which are the methods of Weft preparation ? Enlist the advantages of Rewound Weft. 10
- (b) With a neat sketch explain Cam Traverse motion on a winder. 5
- OR**
- 2 (a) What is meant by 'Ribboning' ? How it can be avoided ? 10
- (b) Discuss in brief about Multiplicative Tensioner. 5

- 3** Write short notes on : (any three) **15**
- (i) Features of a Modern winder.
  - (ii) Stitches or Jali - causes and remedial measures.
  - (iii) Soft nose-causes and remedial measures.
  - (iv) Waxing device
- 4** (a) Answer in brief :
- (i) What are the disadvantages for homogenizer ? **2**
  - (ii) Explain in brief principle of mechanical breaking up of starch particles in homogenizer. **3**
  - (iii) On which principle injection cookers operate ? **1**
  - (iv) If we use wax emulsion for nylon filament yarn sizing, the temperature of size bath is 60°C. Why ? **1**
  - (v) Give the drying temperature for sizing nylon filament yarn on multicylinder sizing machine. **3**
- (b) Explain with neat diagram Hitchen's measuring and self stop motion. **10**
- 5** (a) Discuss in brief the characteristics of P/C blend sized yarn. **5**
- (b) Discuss in detail the influence of machine condition on size pick up. **10**
- OR**
- 5** (a) Enlist the advantages claimed for the multicylinder sizing machine. **5**
- (b) Discuss the importance of creel in sectional warping. **5**
- (c) What are the warping defects and their causes on sectional warper. **5**
- 6** Write short notes on : (any three) **15**
- (i) Zell sow box
  - (ii) Squeeze roller weighting
  - (iii) Sequence of size preparation
  - (iv) Concept of Single-end-sizing.