



RM-6603

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

May / June – 2010

Weaving - I

Time : 3 Hours]

[Total Marks : 100

Instruction :

(1)

नीचे दृशविल निशानीवाणी विगतो उत्तरवही पर अवश्य लपवी.
Fillup strictly the details of signs on your answer book.

Name of the Examination :
B. E. 2 (Sem. 4) (T.T.)

Name of the Subject :
Weaving - 1

Subject Code No. : 6 6 0 3 Section No. (1, 2,.....): Nil

Seat No. :

Student's Signature

- (2) Answer to the **two** sections must be written in **separate** answer books.
- (3) Figures to the **right** indicate full marks.
- (4) Tie **two** sections separately.

SECTION – I

Q - 1 (a) Attempt the following:

1. What is slub? (1)
2. _____ is the provision provided on pirn to facilitate automatic changing. (1)
3. _____ and _____ are the principles used in tensioners. (2)
4. Define traverse ratio. (1)
5. The _____ remains constant in random winding & _____ remains constant in precision winding. (2)
6. Traverse length on pirn is _____. (1)
7. Define clearing efficiency. (2)

Q - 1 (b) Discuss the features of Modern Winder. (10)

Q - 2 (a) State different types of yarn clearing devices. Explain in detail with neat sketch mechanical yarn clearing device. (10)

(b) Explain in detail anti patterning devices. (05)

OR

Q - 2 (a) Explain in detail with neat sketch precision winding machine. (10)

(b) With neat sketch explain in detail traversing mechanism of ordinary pirn winding machine. (05)

- Q - 3 Write short notes (On Any Three): (15)**
- (a) Flow chart Warp preparatory processes.
 - (b) Package faults.
 - (c) Pirn.
 - (d) Traversing on winding.

SECTION – II

- Q - 4 (a) What is the prime objective of sizing zero twist multi filament yarn? (02)**
- (b) Name any one anti-foaming agent. (1)
 - (c) What are the disadvantages of homogenizer? (2)
 - (d) On which principle Injection cookers operate? (1)
 - (e) Give the drying temperature for sizing Nylon filament yarn on multicylinder sizing machine. (4)
 - (f) What are Warping defects and their causes on Beam warper? (6)
 - (g) Discuss the importance of creel on Sectional Warper. (4)
- Q - 5 (a) Give classification of sizing machine and discuss their advantages and disadvantages. (10)**
- (b) Explain the principle of mechanical breaking up of starch particles in Homogeniser. (05)

OR

- Q - 5 (a) Discuss in detail the methods of drying. (10)**
- (b) Which are the main sizing ingredients used in Polyester filament yarn sizing? (05)

- Q - 6 Write short notes (On Any Three): (15)**
- i. Drawing – in and Tying -in
 - ii. High Pressure Squeezing
 - iii. After-waxing
 - iv. Modern Size Box.