



SE-8147

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

May / June - 2011

Weaving - I
(New Course)

Time : 3 Hours]

[Total Marks : 100

Instructions :

(1)

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

Name of the Examination :
B. E. 2 (Sem. 3) (T.T.)

Name of the Subject :
Weaving - I (New)

Subject Code No. : 8 1 4 7 Section No. (1, 2,.....) : 1&2

Seat No. :

Student's Signature

Instructions:

1. Answer to the two sections must be written in separate answer books.
2. Figures to the right indicate full marks.
3. Tie two sections separately.

SECTION - I

Q - 1 (a) Attempt the following:

1. Define i. Clearing efficiency ii. RSS. (4)
2. Enlist the factors on which package density depends. (3)
3. _____ device eliminates snarls and reduces to a minimum yarn waste during the knotting cycle. (1)
4. The _____ splicer is used for yarns made from animal fibres or blends of these with man made fibres. (1)
5. _____ replaces every package which has reached its preset length or selected diameter with an empty tube. (1)

(b) Which is the different type of splicers? Explain in detail with sketch operation of pneumatic splicer. (10)

Q - 2 (a) Explain in detail with neat sketch yarn clearing device based on capacitance principle. (10)

(b) Explain in detail any one type of tensioner. (05)

OR

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

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

Q - 3 Write short notes (On Any Three): (15)

- (a) Quality of pirn.
- (b) Disadvantages of knots
- (c) Anti kink device
- (d) Any one package fault.

SECTION – II

- Q - 4 (a) Fill up the blanks: (05)**
- i. If the healds cross at top centre of the crank shaft, it is termed as _____
 - ii. _____ shedding imitates embroidery.
 - iii. _____ is used as a feeler to detect presence of weft yarn.
 - iv. _____ are necessary in a fabric to lock the edge warp threads so as to prevent fraying or slippage of warp threads.
 - v. _____ shed has both top and bottom stationary lines.
- (b) Enlist the disadvantages with high sley eccentricity. (03)**
- (c) What is the function of cloth take-up? (02)**
- (d) Explain with neat sketch plain tappet shedding motion. (10)**
- Q - 5 (a) Explain with neat sketch Cone over-pick motion. (10)**
- (b) How picking strength can be increased? (05)**
- OR**
- Q - 5 (a) Explain with neat sketch seven wheel take up motion. (10)**
- (b) Enlist common types of temples. Discuss in brief about any one. (05)**
- Q - 6. Write short notes (On Any Three): (15)**
- i. Types of selvages
 - ii. Care of Shuttles
 - iii. Construction of shedding tappet
 - iv. Let-off motion
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