



RN-8147

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

May / June - 2010

Weaving - I

Time : 3 Hours]

[Total Marks : 100

**Instructions :**

(1)

नीचे दर्शाविए निशानीवाणी विगतो उत्तरवडी पर अवश्य लपवी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/>
<input type="text" value="B. E. - 2 (Sem. 3) (T.T.)"/>	<input type="text"/>
Name of the Subject :	<input type="text"/>
<input type="text" value="Weaving - 1"/>	<input type="text"/>
Subject Code No. : <input type="text" value="8"/> <input type="text" value="1"/> <input type="text" value="4"/> <input type="text" value="7"/>	Section No. (1, 2,.....) : <input type="text" value="1&amp;2"/>
	<input type="text" value="Student's Signature"/>

- (2) Answers 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**

- |   |   |   |
|---|---|---|
| 1 | (a) Give the sequence of yarn preparation process.  | 3 |
|   | (b) Draw a schematic diagram of winding process.  | 3 |
|   | (c) Enlist the objects of winding.  | 2 |
|   | (d) For Filament winding on precision winders the tension recommended is _____ gpd.   | 1 |
|   | (e) In case of fixed blade type of slub catcher, the normal clearance between the blades is about _____ times the yarn diameter for combed yarns. | 1 |
|   | (f) With the help of block diagram explain photo electric clearer.  | 5 |
|   | (g) Explain Cam Traverse.   | 5 |

- 2 (a) (i) Which are the two main purposes of introducing knots in textile? **10**
- (ii) Enlist the requirements a knot should satisfy for efficient usage in textile industry.
- (iii) Discuss the disadvantage of knots.
- (b) With a neat sketch explain the principle of pneumatic splicing. **5**

**OR**

- 2 (a) Discuss in detail basic components of a modern winder. **10**
- (b) Give the classification of yarn faults. **5**
- 3 Write short notes on : (any three) **15**
- (i) Package factors
- (ii) Random winding
- (iii) Causes and remedial measures – stitches
- (iv) Advantages of Rewound Weft.

### SECTION - II

- 4 (a) Fill in the blanks (1-6) : **8**
- (i) Picking tappet consists of three parts viz \_\_\_\_\_, \_\_\_\_\_ and \_\_\_\_\_.
- (ii) Maximum numbers of heald shafts controlled by dobby shedding are \_\_\_\_\_.
- (iii) \_\_\_\_\_ mechanism delivers the warp to the weaving area.
- (iv) To stop the loom instantly \_\_\_\_\_ mechanism is provided on the loom.
- (v) In air jet loom weft carrying media is \_\_\_\_\_.
- (vi) Velocity of the slay is higher during the backward movement. State true or false.
- (vii) What is early shedding? **2**
- (b) Explain in detail cone under pick mechanism with neat sketch. **10**

- 5 (a) Explain in detail passage of material through plain power loom. 7
- (b) Explain in detail with neat sketch beat up mechanism. 5
- (c) Explain loom timing diagram. 3
- OR**
- 5 (a) Explain in detail negative let off mechanism with neat sketch. 7
- (b) Explain with sketch five wheel take up mechanism. 5
- (c) Give classification of looms and explain it. 3
- 6 Write short notes on : (any three) 15
- (a) Fabric defects
- (b) Side weft fork motion
- (c) Warp stop motion
- (d) Different parts of loom.
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