



RN-8147

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

May / June - 2010

Weaving - I

Time : 3 Hours]

[Total Marks : 100

**Instructions :**

(1)

नीचे दर्शाविएल निशानीवाणी विगतो उत्तरवही 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"/>	<input type="text" value="Student's Signature"/>
Section No. (1, 2,.....) : <input type="text" value="1&amp;2"/>	

- (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

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[Contd...

- 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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