



RN-8243

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

May / June - 2010

Weaving - II

Time : 3 Hours]

[Total Marks : 100

**Instructions :**

(1)

नीचे दृष्टावेक 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. 4) (T. T.)"/>	<input type="text"/>
Name of the Subject :	<input type="text"/>
<input type="text" value="Weaving - 2"/>	<input type="text"/>
Subject Code No. : <input type="text" value="8"/> <input type="text" value="2"/> <input type="text" value="4"/> <input type="text" value="3"/>	<input type="text" value="Student's Signature"/>
Section No. (1, 2,.....) : <input type="text" value="1&amp;2"/>	

- (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**

1 (a) Answer in brief :

- |  |   |
|--|---|
| (1) Name different types of creels used in warping.  | 1 |
| (2) What do you mean by warping ?  | 2 |
| (3) _____ warping is used chiefly for the coloured warps with short runs.                          | 1 |
| (4) When the sized warp is supplied in the form of balls, _____ beaming is carried out.            | 1 |
| (5) Properties of PVA depend upon ?  | 1 |
| (6) Name any four sizing ingredients.  | 1 |
| (7) Size pick-up increase with machine speed. (State true or false).                               | 1 |
| (8) The normal squeezing pressure for flannel covered squeeze roller is _____ kg/cm <sup>2</sup> . | 1 |
| (9) p/c yarns are stronger than cotton yarns. (State true or false)                                | 1 |

- (b) Explain with neat diagram Hitchon's measuring and self stop motion. 10
- 2 (a) Discuss in detail method of size preparation by pressure or cooking vessel. 10
- (b) why is temperature control necessary for size paste in the size box ? 5

**OR**

- 2 (a) Discuss in detail the influence of machine condition on size pick-up. 10
- (b) Enlist the advantages claimed for the multi-cylinder sizing machine. 5
- 3 Write short notes on : (any three) 15
- (1) Concept of single-end-sizing
- (2) Modern size box
- (3) Warping defects and their causes on sectional warper
- (4) Drawing-in and Tying-in.

### SECTION - II

- 4 (a) Fill in the blanks :
- (1) Pattern cylinder or right hand dobbie is rotated in \_\_\_\_\_ direction. 1
- (2) \_\_\_\_\_ number of pattern cylinders are used on cross border dobbie. 1
- (3) \_\_\_\_\_ is used to drive knives on climax dobbie. 1
- (4) In positive dobbie, lifting and lowering of heald shafts are carried out by \_\_\_\_\_ mechanism. 1
- (5) \_\_\_\_\_ is the main advantage of cam dobbie over lever dobbie. 1
- (6) The number of boxes in  $4 \times 4$  box motion is \_\_\_\_\_. 1

- (7) The circular box motions are of two types : **2**  
 \_\_\_\_\_ and \_\_\_\_\_.
- (8) Two examples of Drop box motions are **2**  
 \_\_\_\_\_ and \_\_\_\_\_.
- (b) Explain in detail the  $2 \times 1$  box motion. **10**
- 5** (a) Explain in detail Eccle's box motion. **10**
- (b) Give classification of dobbies. **5**
- OR**
- 5** (a) With the help of neat diagrams, explain the cross border dobbie in detail. **10**
- (b) State important settings of cross border dobbie. **5**
- 6** Write short notes on : (any **three**) **15**
- (1) Knowles positive dobbie
- (2) Comparison between lever dobbie and cam dobbie
- (3) Driving arrangement of knives in cam dobbie
- (4) Preparation of lattices for 1/1, 2/1, 2/2, 3/1, 1/1, 2/1 weaves.
-