



RM-6587

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

May / June – 2010

Yarn Preparation & Weaving - II

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.P.)

Name of the Subject :

Yarn Preparation & Weaving - 2

Subject Code No. : 6 5 8 7 Section No. (1, 2,.....) : 1&2

Seat No. :

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

- Q1a.) Do as Directed: [10]
- The device used to avoid ribboning on a cone/cheese winding machine is called _____ device.
 - Define – traverse ratio
 - What do you mean by spinners double?
 - How the back beams are arranged in the creel of a slasher sizing machine?
 - List out size ingredients used in size mixing.
 - For what purpose magnesium chloride is used in size mixing?
 - State objects of pirn winding.
 - Give the flow chart for preparation of coloured weft.
 - What is the function of a presser roller?
 - _____ remains constant in random winding.

- Q1b.) State the objects of winding. Describe in detail the tensioning devices used [10] on winding machine.

- Q2a.) Explain with neat sketch the passage of warp through slasher sizing machine. [08]
Q2b.) Explain size level control mechanism on sizing machine. [07]

OR

- Q2a.) Describe with a neat sketch any one type of beam holder used on beam warping machine. [07]
Q2b.) Describe in detail, with a neat sketch, traversing mechanism on pirn winding machine. [08]

- Q3.) Write Short Notes on : (Any three) [15]
i. Methods of yarn joining
ii. Classification of warping processes
iii. Size box
iv. Binding grooves on pirn

SECTION II

- Q4a.) Do as Directed: [10]
i. What is the object of unwinding accelerator?
ii. State the function of immersion roller.
iii. _____ is used as synthetic adhesive.
iv. _____ is solid plasticizer.
v. State function of lingo.
vi. What is the function of back rest?
vii. Dividend of 7 wheel take motion is _____.
viii. _____ is supported by warp threads in warp stop motion.
ix. _____ & _____ is increased by texturing of yarn.
x. State function of brake on loom.

- Q4b.) State the objects of warping. Explain with neat sketch sectional warping machine. [10]

- Q5a.) Explain in detail passage of material through plain power loom. [10]

- Q5b.) Give detailed classification of weft insertion mechanism. [05]

OR

- Q5a.) With neat sketch explain in detail cone over pick mechanism. [10]

- Q5b.) With neat sketch explain construction & working climax doobby. [05]

- Q6.) Write Short Notes on : (Any three) [15]

- i. Loom timing diagram.
ii. Side weft fork motion.
iii. Warp stop motion.
iv. Air jet texturing.