

F/2015/6043

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**FOURTH SEMESTER  
TEXTILE TECHNOLOGY  
SCHEME JULY 2008**

WEAVING PREPARATORY (402)

*Time : Three Hours**Maximum Marks : 100*

**Note :** Attempt total six questions. Question No.1 is compulsory. From the remaining questions attempt any five.

1. State whether the following statements are true or false (T/F) :- 2 each
- Beam is the final package of winding
  - Slipping friction motion is associated with sizing machine.
  - Cop is unwound over the end
  - Expanding comb is associated with auto cover.
  - Serrated blade is a part of capacitance type yarn clearer.

(2)

2. a) What are the objects of winding? With a neat and labelled diagram. Describe the passage of material through a high speed winding machine. 14
- b) What is splicer? Explain. 4
3. a) What are the objects of warping? Sketch and explain the working of high speed beam warping machine. 12
- b) What is homogeniser? Explain. 6
4. a) With a neat and labelled diagram describe the passage of material through a slasher sizing machine. 12
- b) What is beam pressing motion? Explain. 6
5. a) What are the advantages of rewound weft. 6
- b) Sketch and explain the working of pirn winding machine. 12

(3)

6. a) The winding drum of a winder having a diameter of 3" makes 2870 r.p.m. The actual amount of yarn wound in 9 hours was found to be 332,838 yards. What is the efficiency? 9
- b) A warper's beam contains 12600 yards of warp on it. The number of ends in the warp is 420 and the weight of the full beam is 361 lbs. If the weight of the empty beam is 51 lbs calculate the beam count. 9
7. a) A warp containing 2400 ends of 44<sup>s</sup> yarn is sized to 10%. If the sized warp weighs 120 lbs. Calculate the length of sized warp and the total length of sized yarn. 10
- b) How many drums would be required to wind 1000 lbs. of 24<sup>s</sup> yarn in 12 hours, if the production (actual) per drum/minute is 560 yards. 8
8. Write short notes on any four :-  $4\frac{1}{2} \times 4$
- a) Mixing beck
- b) Sow box

(4)

- c) Teflon coating
- d) Count
- e) Sectional warping.

