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SF-8199

B. E. - II (Sem. - IV) (Textile Processing) Examination

May/June – 2011

Yarn Preparation & Weaving

Time : **3** Hours] [Total Marks : **100**

Instructions :

(1)

નીચે દર્શાવેલ ☛ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fillup strictly the details of ☛ signs on your answer book.

Name of the Examination :

☛ **B. E. - 2 (SEM. - 4) (TEXTILE PROCESSING)**

Name of the Subject :

☛ **YARN PREPARATION & WEAVING**

☛ Subject Code No. : **8 1 9 9** ☛ Section No. (1, 2,.....) : **Nil**

Seat No. :

Student's Signature

(2) Figures to the right indicate full marks.

1 (a) Give Line Diagram of the following : **10**

(i) Splice joint

(ii) Full conical base pirn.

(iii) V-nose creel

(iv) Disc Tensioner

(v) Weavers knot

(b) Describe in the different tensioning and clearing devices used on a winding machine. **10**

2 Distinguish between Random and Precision Winding. **15**

OR

2 (a) State the objects of warping. Explain with neat sketch sectional warping machine. **10**

(b) Write a brief note on 'Knotting'. **5**

3 Write short notes on : (any **three**) **15**

(i) Weft preparatory systems

(ii) Temperature Control devices

(iii) Size ingredients

(iv) Shapes of Bare Pirn and Binding Grooves on Pirn.

4 (a) Give the function of following : **10**

(i) Squeeze roller

(ii) Unwinding accelerator

(iii) Sectional Warping

(iv) Brake on loom

(v) lingo

(b) State the objects of sizing. Explain with neat sketch any modern size box. **10**

5 Explain construction and working of : **15**

- Climax dobby
- Fast Reed Mechanism
- **7** Wheel take-up

OR

5 What is positive and negative shedding ? With neat sketches explain in detail the different shedding mechanisms. **15**

6 Write short notes on : (any **three**) **15**

(i) Side weft fork motion

(ii) Edge crimping

(iii) Jacquard shedding mechanism

(iv) Loom timing diagram
