



SE-8149

B. E. - II (Sem. III) (Textile Technology) Examination
May / June - 2011
Yarn Manufacturing - I
(New Course)

Time : 3 Hours]

[Total Marks : 100

Instructions : (1)

नीचे दशावेक निशानीवाणी विगतो उत्तरवही पर अवश्य लपवी.
Fillup strictly the details of signs on your answer book.

Name of the Examination :
B. E. - 2 (SEM. 3) (TEXTILE TECHNOLOGY)

Name of the Subject :
Yarn Manufacturing - I (New)

Subject Code No. : 8 1 4 9 Section No. (1, 2,.....) : 1&2

Seat No. :

Student's Signature

1. Answers to the two sections must be written in separate answer books.
2. Figures to the right indicate full marks.
3. Tie two sections separately.

SECTION - I

Q1.[a] Answer the following :

1. State the Objects of Blow Room. [3]
2. Define Mixing and Blending. [3]
Also give examples.
3. Draw Krishner beater and 2 bladed beater [2]
4. State objects of ginning. [2]

Q1. [b] With a neat sketch , describe the construction & working of Scutcher. [10]

Q2.[a] Explain the construction & working of following machines briefly with suitable sketch: [12]

1. Multimixer
2. Step cleaner

[(b) Describe important points for maintainence of Blow room. [3]

OR

Q2 .[a] Describe the Piano feed regulating Mechanism with neat sketch. [12]

[b] Which types of cones profile is used for Piano feed mechanism? Why? [3]

- Q3** Write Short Notes [**ANY THREE**] [15]
1. Advantages of Automatic bale opener
 2. Saw gin
 3. Verticle opener
 4. Processing of Manmade fibres in Blow room

SECTION - I I

- Q4.[a] Do as directed:**
1. Production of card is depend on surface speed of Doffer. . (State true/false) [1]
 2. Carding action is obtained when teeth of two surfaces are made to work _____ [1]
 3. Which Autoleveller is used for short term variations ? [1]
 4. What is intensity of card? [2]
- [b] Explain stripping of card clothing by **any instrument** with neat sketch. [08]
- [c] Explain classification of chute feed system. [07]
- Q5 .[a]** Describe with neat sketch any **two modifications** in the Doffing region in High production card. [8]
- [b] Explain with neat sketch passage of material through carding machine. [7]

OR

- Q5 [a]** Describe with neat sketch any **two modifications** in the licker-in region to improve pre-carding action. [8]
- [b] Explain Tandem card with neat sketch. [7]

- Q6** Write Short Notes [**ANY THREE**] [15]
1. Choice of auoleveller.
 2. .open loop system in autoleveller
 3. Traverse roll grinder.
 4. Flexible card clothing.