



KC-8149

B. E. II (Sem. III) (Textile Technology) Examination
November / December – 2012
Yarn Manufacturing - I
(New Syllabus)

Time : 3 Hours]

[Total Marks : 100

Instructions :

(1)

नीचे दशांशके 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. II (Sem. III) (Textile Technology)"/>	<input type="text"/>
Name of the Subject :	<input type="text"/>
<input type="text" value="YARN MANUFACTURING - I (NEW)"/>	<input type="text"/>
Subject Code No. : <input type="text" value="8"/> <input type="text" value="1"/> <input type="text" value="4"/> <input type="text" value="9"/>	<input type="text"/>
Section No. (1, 2,.....): <input type="text" value="Nil"/>	<input type="text"/>
	Student's Signature

(2) Figures to the right indicate full marks.

- 1 (a) Answer the following :
- (i) Define English Cotton count. What is relation between Count and Tex. 2
 - (ii) Write the equation for calculating production of Blow room in Kgs/shift. 2
 - (iii) Define Mixing and Blending with examples. 3
 - (iv) Draw 3 bladed beater and Krishner beater. 3
- (b) State the Objects of Blow Room. 3
- (c) With a neat sketch describe construction and Working of Hopper bale opener. 7
- 2 (a) With a neat sketch, describe construction and working of Piano feed regulating Mechanism. 12
- (b) Discuss important points to be considered for processing of Manmade fibers in Blow room. 3
- OR**
- 2 (a) With a neat sketch describe construction and working of any one ginning machine. 10
- (b) Discuss various lap defects and its remedial measures briefly. 5

- 3** Write short notes : (any **three**) **15**
- (i) Maintenance of Blow room
 - (ii) Multimixer
 - (iii) Vertical opener
 - (iv) Step cleaner.
- 4** (a) Do as directed :
- (i) Carding is called as heart of spinning. **1**
(State true/false)
 - (ii) Close loop system autoleveller is suitable to detect which variation ? **1**
 - (iii) Carding separates the fibres to the individual fibre extent. (State true/false) **1**
 - (iv) Write the formula to calculate production of carding in kgs/shift. **2**
- (b) Explain open loop principle of Autoleveller with neat sketch. **8**
- (c) Explain any chute feed system with neat sketch. **7**
- 5** (a) With neat sketch explain passage of material through carding machine. **10**
- (b) Calculate hank of lap, if draft on carding machine is 130, hank of sliver 0.13. **5**
- OR**
- 5** (a) Derive a formula to find out intensity of card assuming suitable data. **7**
- (b) Describe with neat sketches any one instrument used for card stripping. **8**
- 6** Write short notes : (any **three**) **15**
- (i) Flexible card clothing
 - (ii) Advantages of tandem card
 - (iii) Modification in licker - in - region.
 - (iv) Importance of card setting and factors affecting it.