



KC-6301

B. E. II (Sem. III) (TT) Examination
November/December – 2012
Yarn Manufacturing - I

Time : 3 Hours]

[Total Marks : 100

Instructions :

(1)

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| नीचे दृशावेव 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) (TT)"/> | <input type="text"/> |
| Name of the Subject : | <input type="text"/> |
| <input type="text" value="Yarn Manufacturing - I"/> | <input type="text"/> |
| Subject Code No. : <input type="text" value="6"/> <input type="text" value="3"/> <input type="text" value="0"/> <input type="text" value="1"/> | <input type="text" value="Student's Signature"/> |
| Section No. (1, 2,.....) : <input type="text" value="Nil"/> | |

(2) Figures to the right indicate full marks.

- 1 (a) Answer the following objective questions. **10**
- (i) Define opening and cleaning. **2**
- (ii) Find Cleaning degree of blow room, if the extracted trash is 2.8% and trash in bales is 4.0%. **2**
- (iii) What is Ginning ? **2**
- (iv) What do you mean by blending ? **1**
- (v) Feed of material to the opening rollers occurs in free flight or in a clamped condition. - True or False. **1**
- (vi) What is the function of spiked lattice ? **1**
- (vii) Which are the machines coming under Zone 2 ? **1**
- (b) With a neat sketch, describe construction and working of Saw gin. **10**

- 2 (a) Explain in detail about Piano feed mechanism. **10**
- (b) Discuss the advantages of automatic bale opener briefly. **5**

OR

- 2 (a) With a neat sketch, explain (i) The Dual roller Cleaner **10**
(ii) Step Cleaner.
- (b) Explain construction and working of Multiple mixer in brief. **5**

- 3 Write short notes on any three of the following : 15
- (a) Lap Defect and Remedies
 - (b) Processing of manmade fibers in Blow room
 - (c) The Vertical opener
 - (d) Objects of Blow room.
- 4 (a) Answer the following objective questions. 10
- (i) The card eliminates 1-2% of flat stripping waste. - True or False ? 1
 - (ii) The main cylinder have approx _____ mm diameter in carding. 1
 - (iii) Define English count. 1
 - (iv) The flat clothing mounted on surface of card have _____ to _____ flats. 1
 - (v) Define - Stripping. 2
 - (vi) Define – The Grid. 2
 - (vii) What are neps ? 1
 - (viii) The speed of the licker-in is approx. _____. 1
- (b) With a neat sketch, show passage of material in Carding machine. 10
- 5 (a) Write in detail about Chute feed system. 10
- (b) With neat sketch, explain in brief about Metallic clothing. 5
- OR**
- 5 (a) Discuss in brief about Card Autolevelling System. 10
- (b) Explain in brief about Tandem card. 5
- 6 Write short notes on any three of the following : 15
- (a) Tasks of Carding machine
 - (b) Flexible clothing
 - (c) Card Settings
 - (d) Defects in web and their remedies.