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**RN-8149**

**B. E. II (Sem. III) (T.T.) Examination**

**May / June - 2010**

**Yarn Manufacturing - I (New Course)**

Time : 3 Hours]

[Total Marks : 100

**Instructions :**

(1)

नीचे दृष्टाविले निशानीवाणी विगतो उत्तरवही पर अवश्य लખवी. 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. 2 (Sem. 3) (T.T.)"/>	<input type="text"/>
Name of the Subject :	<input type="text"/>
<input type="text" value="Yarn Manufacturing - 1 (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="1&amp;2"/>	<input type="text"/>
	Student's Signature

- (2) Answers to the **two** sections must be written in **separate** answer books.
- (3) Figures to the **right** indicate full marks of the question.
- (4) Tie **two** sections separately.

**SECTION - I**

- 1 (a) Answer the following :
- (1) State the objects of Ginning. 2
  - (2) What is difference between Mixing and Blending ? 2  
Explain giving example.
  - (3) What is trash composed of ? 2
  - (4) Only draw 3 bladed beater and Krishna beater. 2
  - (5) Write the equation to calculate production of 2  
blow room in terms of kgs/shift.
- (b) With a neat sketch, describe the construction and 10  
working of Saw Gin.
- 2 Explain the construction and working of following machines 15  
briefly with suitable sketch :
- (1) Axiflow cleaner
  - (2) ERM cleaner
  - (3) SRRL opener.

**OR**

- 2 Describe construction and working of Piano feed mechanism 15  
briefly with neat sketch.

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**1**

**[Contd...**

- 3** Write short notes : (any **three**) **15**
- (1) Multimixer
  - (2) Lap defects and remedies
  - (3) Karousal Bale Opener
  - (4) Advantages and Automatic Bale Opener.

### SECTION – II

- 4** (a) Do as directed :
- (1) Well carded yarn is as good as half spun yarn. **1**  
(State true/false).
  - (2) Write the formula to calculate production of **2**  
carding in lbs/shift.
  - (3) Two individual cards joined together as a one **1**  
unit called as \_\_\_\_\_.
  - (4) Front plate is called as percentage (%) plate. **1**  
(State true or false).
- (b) Discuss 'Tongue and groove type of roller and **10**  
pneumatic trumpet' for measuring the variations in  
autoleveller.
- (c) Describe any one modern web doffing system with **5**  
neat sketch.
- 5** (a) State the advantages of tandem card. **4**
- (b) Explain vibra chute with neat sketch. **6**
- (c) State the objects of carding. **5**

**OR**

- 5** (a) Describe any two modification in licker-in region **8**  
of modern card with neat sketch.
- (b) Explain dustless stripper with neat sketch. **7**
- 6** Write short notes : (any **three**) **15**
- (1) Web defects and remedial measures
  - (2) Card setting
  - (3) Long roller grinder
  - (4) Metallic card clothing.