



Printed Pages : 2

T – 602

(Following Paper ID and Roll No. to be filled in your Answer Book)

PAPER ID : 6545

Roll No.

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B. Tech.

(SEM. VI) EXAMINATION, 2006-07

YARN MANUFACTURE - IV

Time : 3 Hours]

[Total Marks : 100

*Note : Attempt **all** questions. All questions carry **equal** marks.*

1. Attempt any **one** part of the following:-
 - (a) Explain in detail the mechanisms involved in drafting, twisting and winding operations of a ring frame.
 - (b) What are the limitations of ring sinning? List the various methods to over-come there limitations.

2. Attempt any **one** part of the following:-
 - (a) Explain the factors affecting the twist calculations in ring frame. Explain the difference between actual and practical twist per unit length.
 - (b) With the aid of a line sketch, explain the working of a builder motion meant for combined build.

3. Attempt any **one** part of the following:-
- (a) Explain with neat sketches, different types of rings and travelers and their important features.
 - (b) Explain the various causes and remedies for the various yarn faults.
4. Attempt any **one** part of the following:-
- (a) With a neat sketch, explain the passage of material through a ring doubler.
 - (b) Explain the various factors to be considered to get a balanced double yarn.
5. Attempt any **one** part of the following:-
- (a) How is yarn conditioned, reeled and bundled in a spinning mill?
 - (b) Explain the production of cable and core spun yarns in an industry. State the importance of these yarns.
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