



Printed Pages : 2

T – 401

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

PAPER ID : 6529

Roll No.

--	--	--	--	--	--	--	--	--	--

B. Tech. (TEXTILE TECHNOLOGY)

(SEM. IV) EXAMINATION, 2006-07

YARN MANUFACTURE - II

Time : 3 Hours]

[Total Marks : 100

- Note :*
- (1) Attempt all questions.*
 - (2) All questions carry equal marks.*

1. Attempt any **two** parts of the following: **10×2**
 - (a) Draw a neat sketch of carding machine, showing passage of material. Name the different parts of machine.
 - (b) Discuss the 'carding action'. How it takes place in the machine?
 - (c) Why stripping is necessary in carding? Name the different systems of stripping. Describe any one stripping system.

2. Attempt any **two** parts of the following: **10×2**
 - (a) Give the dimensions of different parts of the carding machine.
 - (b) Narrate settings (gauge) between various parts of the carding machine.
 - (c) Define – 'draft constant' and 'production constant'. How are they calculated and are useful they in day to day working ?

3. Attempt any **two** parts of the followings : **10×2**
- (a) Discuss the objects of draw frame. How are they fulfilled?
 - (b) Describe any two types of drafting systems used in draw frames.
 - (c) Define following terms :
 - (1) Ends up
 - (2) No. of doublings
 - (3) No. of heads
 - (4) No. of passages
 - (5) No. of deliveries.
4. Attempt any **two** parts of the following : **10×2**
- (a) Differentiate between Conventional Draw Frame and Modern Draw Frame.
 - (b) How will you ensure about the quality of sliver of a draw frame ?
 - (c) Discuss about the various stop motions used in draw frame.
5. Attempt any **two** parts of the following: **10×2**
- (a) How the waste of carding machine is controlled ?
 - (b) Differentiate between 'Actual Draft' and 'Mechanical Draft'. How are both calculated in carding machine ?
 - (c) Assuming your own data calculate the production of a carding machine.

