

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. (2x8=16)

Q.23 Draw and explain the passage of material of carding machine with the help of a labeled diagram.

Q.24 Write a short note on any of two following

- a) Monocylinder
- b) MBO
- c) Blow room waste and its types

Q.25 What is ginning? Explain saw ginning machine with neat and clean diagram.

No. of Printed Pages : 4

222731

Roll No.

3rd Sem / Textile Technology

Subject : Spinning Technology - I

Time : 3 Hrs.

M.M. : 60

SECTION-A

Note: Multiple choice questions. All questions are compulsory (6x1=6)

Q.1 The machine part which is having lowest diameter in carding machine

- a) Licker in
- b) Doffer
- c) Cylinder
- d) Flat

Q.2 Output material for carding machines is

- a) Tuft
- b) Lap
- c) Sliver
- d) None of these

Q.3 Step cleaner is a part of

- a) Blowroom
- b) Carding
- c) Draw frame
- d) None of these

Q.4 Tuft is feed material of _____

- a) Blowroom
- b) Carding
- c) Draw frame
- d) All of the above

- Q.5 Generally, the total percentage of waste extracted from blowroom is
- equal to waste percentage
 - twice the waste percentage
 - 3 times waste percentage
 - 0.5 times waste percentage
- Q.6 Denier is weight in _____ over length in 9000 mts?
- ozs
 - pound
 - gram
 - kilogram

SECTION-B

Note: Objective/ Completion type questions. All questions are compulsory. (6x1=6)

- Q.7 Feed material of card comes from _____
- Q.8 In _____ different fibres are mixed together
- Q.9 Doffer is used in _____ machine.
- Q.10 Two opening machines of blowroom are _____ and _____
- Q.11 _____ machine part is having the highest diameter in carding machine.
- Q.12 _____ machine is used to separate the seeds from cotton fibres.

SECTION-C

Note: Short answer type questions. Attempt any eight questions out of ten questions. (8x4=32)

- Q.13 Differentiate between mixing and blending.
- Q.14 Write a short note on Step Cleaner.
- Q.15 Write the objectives of blow room.
- Q.16 Explain the advantages and disadvantages of chute feed system.
- Q.17 Describe the working principle of ERM cleaner.
- Q.18 Write the specifications of licker in, cylinder and doffer.
- Q.19 What is autoleveller. Explain closed loop autoleveller with neat and clean diagram.
- Q.20 Write the latest developments of carding machine.
- Q.21 What is yarn realization? Give the formula for cleaning efficiency for blow room.
- Q.22 In case of cotton, carding delivery speed is 120m/min. The card produces hank of 0.125 and assumed to be running at 90% efficiency. Production of 4000 kg is required. Calculate the number of cards required.