

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.

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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

- a) equal to waste percentage
- b) twice the waste percentage
- c) 3 times waste percentage
- d) 0.5 times waste percentage

Q.6 Denier is weight in _____ over length in 9000 mts?

- a) ozs
- b) pound
- c) gram
- d) kilogram

SECTION-B

Note: Objective/ Completion type questions. All questions are compulsory. $(6 \times 1 = 6)$

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. $(8 \times 4 = 32)$

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.