

SECTION-D

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

Q.23 Explain the working of carding machine with the help of a labeled diagram.

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

- a) Advantage of chute feed system
- b) Saw ginning machine
- c) Blow room waste and its types

Q.25 In case of cotton, carding delivery speed is 120 m./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.

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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 highest diameter in carding machine

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

Q.2 Input material for carding machines is

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

Q.3 Mono cylinder is part of

- a) Blowroom
- b) Carding
- c) Drawframe
- d) None of these

Q.4 _____ is the output of blowroom

- a) Bale
- b) Lap
- c) Sliver
- d) Roving

Q.5 Removal of neps in Flat strips

- a) equal to short fiber percentage
- b) twice the short fiber percentage
- c) 1.3 times the short fiber percentage
- d) 0.5 times the short fiber percentage

Q.6 Tex is weight in _____ over length in 1000 mts?

- a) ozs
- b) pound
- c) gram
- d) 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 Flats are used in _____ machine

Q.10 Two opening machines of blowroom are _____ and _____

Q.11 A modern feed system in carding machine is known as _____ system.

Q.12 Fibres from seed are separated in _____ machine.

SECTION-C

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

Q.13 Write the objective and types of blending?

Q.14 Write a short note on Mono-Cylinder.

Q.15 Difference between carding action and stripping action.

Q.16 What is importance of mixing. Write different techniques of mixing.

Q.17 What are the defect in lap and their remedies?

Q.18 Explain the objectives of carding machine

Q.19 What are the objective of grinding? Explain any type of grinding.

Q.20 What is yarn realization? Give the formula for cleaning efficiency for blow room.

Q.21 Lap Hank in case of carding as fed material was 0.00125 and delivered sliver was with hank of 0.100. Calculate overall draft of carding machine.

Q.22 5000 kg of cotton was fed in blowroom per shift. We received 4700 kgs of material from blowroom. This was fed in carding machine that delivered sliver of 4450 kg. Calculate total material realization after carding.