

Q.21 Out of 200 grams of cotton 190 grams of cleaned cotton was received. 10 grams of trash had 4 grams of clean fibre and rest was waste. calculate cleaning efficiency.

Q.22 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.

## **SECTION-D**

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

Q.23 Explain the passage of material from the carding machine with neat sketch.

Q.24 Describe the different techniques of blending and describe the working of unimix with neat and clean diagram.

Q.25 Write about the salient features of high production card.

No. of Printed Pages : 4  
Roll No. ....

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Time : 3 Hrs.

M.M. : 60

## **SECTION-A**

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

Q.1 Process of converting fibre to yarn is called as

- a) Weaving
- b) Spinning
- c) Knitting
- d) None of these

Q.2 The Percentage cleaning efficiency of a cotton blow room line lies between

- a) 60 & 70
- b) 40 & 50
- c) 80 & 95
- d) 50 & 60

Q.3 Output material of carding machine is

- a) Bale
- b) roving
- c) sliver
- d) yarn

Q.4 Denier is weight in \_\_\_\_\_ over length in 9000 mts?

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

Q.5 Unimix is a part of

- a) Blow room
- b) carding
- c) Draw frame
- d) Ring frame

Q.6 Autoleveller is used at \_\_\_\_\_ machine.

- a) Blow room
- b) carding
- c) Simplex
- d) Ring frame

## SECTION-B

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

Q.7 \_\_\_\_\_ is the heart of the spinning.

Q.8 Feed material in carding is \_\_\_\_\_.

Q.9 The process of separation of cotton fibres from the seed is called as \_\_\_\_\_.

Q.10 Flats are the part of \_\_\_\_\_ machine.

Q.11 In \_\_\_\_\_ different varieties of cotton are mixed together.

Q.12 Diameter of main cylinder in carding is \_\_\_\_\_.

## SECTION-C

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

Q.13 Write the objective of the Ginning. Explain the saw ginning machine with neat and clear diagram.

Q.14 Draw and explain ERM cleaner machine ?

Q.15 Write down any five latest development of carding machine.

Q.16 Explain the different type of beater used in blow room.

Q.17 Write a short note on step cleaner and mono cylinder

Q.18 Explain carding and stripping action of carding in detail.

Q.19 Write a comparison between flexible and metallic card clothing.

Q.20 What is autoleveller? Explain the autoleveller functioning with diagram.