

- Q.30 Draw front plate and back plate, also explain its functions.

Q.31 Write a short note on grinding.

Q.32 What are objects of carding?

Q.33 Differentiate between carding and stripping action.

Q.34 Give advantages and disadvantages of metallic clothing.

Q.35 Calculate production of carding machine running at 200 mpm with sliver hank 0.135 and Efficiency 90%.

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. (2x10=20)

- Q.36 Draw the passage of material of carding machine and also explain in detail.

Q.37 Give salient features of high production card. Also explain the purpose of grinding at carding machine.

Q.38 Write a short note any of two following

 - a) advantage and disadvantages of chute feed system
 - b) Step cleaner
 - c) Blowroom waste

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SECTION-A

Note: Multiple choice questions. All questions are compulsory (10x1=10)

- Q.1 _____ is the important part of blow room.

 - a) MBO
 - b) licker-in
 - c) simplex
 - d) ring frame

Q.2 Flats are used in _____ machine.

 - a) carding
 - b) draw frame
 - c) simplex
 - d) All of the above

Q.3 Count refers to _____ or coarseness of yarn:

 - a) fineness
 - b) length
 - c) width
 - d) height

Q.4 Input material of carding machine is _____

 - a) Tuft
 - b) lap
 - c) Both a and b
 - d) None of the above

Q.5 Neps are removed at _____ machine.

 - a) Blowroom
 - b) Draw frame
 - c) weaving
 - d) Carding

Q.6 Blending is done at _____ machine.

- a) blowroom
- b) draw frame
- c) simplex
- d) all of the above

Q.7 Carding action is performed between cylinder and _____

- a) flats
- b) doffer
- c) cross roll
- d) All of the above

Q.8 Which part is having the highest diameter in carding machine

- a) doffer
- b) Flats
- c) Cylinder
- d) Calender roller

Q.9 _____ is the heart of spinning.

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

Q.10 Highest speed is of _____

- a) flats
- b) doffer
- c) cylinder
- d) licker-in

SECTION-B

Note: Objective type questions. All questions are compulsory. $(10 \times 1 = 10)$

Q.11 Name any two opening machine used in blowroom.

Q.12 Convert 20 Tex into Denier.

Q.13 What is card clothing.

Q.14 Mote knives are used in _____ machine.

Q.15 Blowroom is used for _____ and cleaning.

Q.16 Piano feed is the part of _____ machine.

Q.17 Write any two disadvantages of chute feed system.

Q.18 Write the types of autoleveller used in carding?

Q.19 Name any one type of card waste.

Q.20 _____ is end product of blowroom.

SECTION-C

Note: Short answer type questions. Attempt any twelve questions out of fifteen questions. $(12 \times 5 = 60)$

Q.21 Differentiate between mixing and blending.

Q.22 Explain the objectives of Blowroom.

Q.23 Explain double Macarthy ginning machine with neat and clean diagram.

Q.24 Describe mixing bale opener with clear diagram.

Q.25 Explain different types of feed in blowrrom and carding.

Q.26 Draw and explain mixing bale opener machine.

Q.27 Draw and explain ERM machine.

Q.28 What is autoleveller? Explain closed loop autoleveller with diagram.

Q.29 Write a short note on cleaning efficiency of blowroom.