

SECTION-C

Note: Long answer type questions. Attempt any three questions. 3x10=30

- Q.3 With the help of neat diagram, explain working of some latest ginning machines?
- Q.4 Define yarn realization? Briefly explain significance of key elements which influence yarn realization?
- Q.5 Explain following :
- a) Flexible vs metallic card clothing
 - b) Calendaring in scutcher
- Q.6 With the help of neat diagram and process parameters. explain measurement of method of cleaning efficiency of blowroom?
- Q.7 What are autolevellers? Explain their types, principle and working mechanism when employed at draw frames?

No. of Printed Pages : 4

Roll No.

122732/032732

3rd Sem. / Textile Technology

Subject : Spinning tech - I

Time : 3 Hrs.

M.M. : 100

SECTION-A

Note: Very Short Answer type questions. Attempt any 15 parts. (15x2=30)

- Q.1 a) What are thin places?
- b) _____ is an function of carding machine.
- c) What are objectives of bale openers?
- d) What are types of mote-knives?
- e) What are common profiles of teeth on carding roller?
- f) What is quasi-periodic irregularity?
- g) What is strippling action?
- h) Define yarn count?

- i) What as the range of carding speed in latest carding machines?
- j) What is flat waste percentage in carding machine in 100% cotton?
- k) What is basic function of licker-in?
- l) What are functions of multi-mixer?
- m) What are functions of condenser?
- n) What is objective of air-current in bale opening?
- o) What are bale-puckers?
- p) What is chute feed system?
- q) How workload in blowroom is decided?
- r) Krischner beater is used in _____.

SECTION-B

Note: Short answer type questions. Attempt any ten parts 10x4=40

- Q.2
- i) What are functions of saw gin?
 - ii) How many beating points are generally required for 100% polyester and why?

(2) 122732/032732

- iii) What are functions of ERM cleaner?
- iv) What are super-jet cleaners?
- v) What are important parameters to assess performance of blow room line?
- vi) What are objectives of drawing?
- vii) What are types of feed regulating system?
- viii) Convert 40 tex to Ne and denier.
- ix) What are closed loop autolevellar?
- x) Mention different card lap effects and their control?
- xi) What are different types if blending stages?
- xii) How do total costs of blends can be optimised?
- xiii) What are advantages of automatic lap doffing?
- xiv) How do lap irregularities affect yarn quality?
- xv) What is half setting of carding machine? Explain.

(3) 122732/032732