

### 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 machine?
- Q.4 Define yarn realization? Briefly explain significance of key elements which influence yarn realization?
- Q.5 Explain following:
- a) Direct dyes
  - b) Block printing
- Q.6 What are different types of finishes? Explain with suitable examples?
- Q.7 With the help of neat diagram, Explain principle and working mechanism of speedframe?

No. of Printed Pages : 4

Roll No. ....

60038

**3<sup>rd</sup> Sem. / Det-L**

**Subject : Textile Raw Material**

Time : 3 Hrs.

M.M. : 100

### SECTION-A

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

- Q.1 a) ..... is an function of carding machine.
- b) What is scouring?
  - c) What are objectives of bale openers?
  - d) Define printing?
  - e) What are types of mote-knives?
  - f) Define draw-ratio?
  - g) Define yarn count?
  - h) What are objectives of bleaching?
  - i) What is flat waste percentage in carding machine in 100% cotton?

- j) What is felting shrinkage (%)?
- k) What are functions of multi-mixer?
- l) What are different types of fibres?
- m) ..... is standard RH condition?
- n) What are types of tensioners?
- o) What is objective of air-current in bale opening?
- p) Viscose is a ..... fibre.
- q) Krischner beater is used in .....
- r) What are advantages of high speed warping machine?

### SECTION-B

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

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

- iii) What are important parameters to assess performance of blow room line?
- iv) How the waste (%) of blow room line can be set?
- v) What are different types of blending stages?
- vi) How yarn realization is estimated?
- vii) What is basic, principle of autolevellers?
- viii) Draw path of material on ringframe?
- ix) Why and how scouring is done?
- x) Which properties of fabric improve after mercerization?
- xi) How do lap irregularities affect yarn quality?
- xii) Which dyes are used for wool?
- xiii) Differentiate between natural and regenerated fibre?
- xiv) How fabric luster can be improved?
- xv) What is half setting of carding machine? Explain.