

### SECTION-C

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

- Q.3 Explain the working principle of warp knitting machine.
- Q.4 Explain the process flow of yarn manufacturing of wool.
- Q.5 Explain different Weaving Motions in detail.
- Q.6 Explain the working of a Gilling machine with neat sketch.
- Q.7 Explain the different types of spinning.

(180)

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**2nd Sem. / Textile Design**

**Subject : Textile Processes-2**

Time : 3 Hrs.

M.M. : 100

### SECTION-A

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

- Q.1 a) Define hand spinning.
- b) What is function of ring frame?
- c) What is slubbing?
- d) What is ring spinning?
- e) What is embossing?
- f) What is bulked yarn?
- g) What is felt?
- h) What is ginning?

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- i) What is Z-twist?
- j) What is thread count?
- k) What is lustre yarn?
- l) What is a binder used in fusing?
- m) What is function of stripping roll in carding?
- n) Draw a neat diagram of two ply yarn.
- o) What is false twist in speed frame?
- p) What is the function of flyer in speed frame?
- q) Define Novelty yarn.
- r) What is parallel wound package?

### SECTION-B

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

- Q.2
- i) Explain the basic principle of weft knitting.
  - ii) Write four uses of warp knit fabric.

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- iii) Explain how blending is done?
- iv) What are uses of core yarn?
- v) Explain the objectives of speed frame.
- vi) Discuss the process flow for warping.
- vii) Differentiate between 'S' & 'Z' twist.
- viii) Explain principle of carding machine in brief.
- ix) Explain spun bonding.
- x) Write short note on grandrella yarn.
- xi) What is the effect of twist direction on yarn strength for double yarn?
- xii) Write the characteristics of spiral yarn.
- xiii) Differentiate between cotton & woolen system of manufacturing.
- xiv) Explain the importance of yarn realisation.
- xv) Write different uses of high tenacity yarn.

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