

B.TECH.**THEORY EXAMINATION (SEM-IV) 2016-17****Principle of Fabric Manufacture****Time : 3 Hours****Max. Marks : 100****Note : Be precise in your answer. In case of numerical problem assume data wherever not provided.****SECTION-A****1 Explain the following : (10×2=20)**

- a) What is separate-traverse?
- b) What is patterning?
- c) What is the objective of sizing continuous filament yarn?
- d) What is size add on?
- e) What is the function of a balloon breaker?
- f) Compare between warper drum and warper beam.
- g) What is function of lease rods in sizing?
- h) Why do sizing not done in weft yarn?
- i) What is the function of jacquard?
- j) What is secondary motion?

SECTION-B**2 Attempt any five of the following : (10×5=50)**

- a) Discuss about common winding faults and its remedies.
- b) Discuss about various latest developments on winding in regarding to machine.
- c) Discuss warper Beam defects, its cause and remedies.
- d) Compare direct and sectional warping
- e) Discuss the different drying methods used in sizing.
- f) Draw the line diagram of a slasher sizing machine and show the path of yarn.
- g) Explain the different types of motion used in loom.
- h) Discuss about the common fabric faults and remedies.

SECTION-C**Attempt any two of the following : (15×2=30)**

3. What are different types of winding machine use in industry?- Explain with the help of line diagram along with their advantages and disadvantages
4. Discuss basic working mechanism of different shuttle less loom
5. What are different types of winding machine use in industry?- Explain with the help of line diagram.