

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

SECTION-B

- 2 Attempt any five of the following : (10×5=50)**
- Discuss about common winding faults and its remedies.
 - Discuss about various latest developments on winding in regarding to machine.
 - Discuss warper Beam defects, its cause and remedies.
 - Compare direct and sectional warping
 - Discuss the different drying methods used in sizing.
 - Draw the line diagram of a slasher sizing machine and show the path of yarn.
 - Explain the different types of motion used in loom.
 - Discuss about the common fabric faults and remedies.

SECTION-C

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

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