

B.TECH
(SEM VIII) THEORY EXAMINATION 2017-18
ADVANCE FABRIC MANUFACTURE

Time: 3 Hours

Total Marks: 100

Note: 1. Attempt all Sections. If require any missing data; then choose suitably.

SECTION A

- 1. Attempt all questions in brief. 2 x 10 = 20**
- a. Define non woven fabric
 - b. Name various weft knitted structures
 - c. Name knitting needles
 - d. Define wales
 - e. Name two needle punch fabrics
 - f. Classify rapier drives
 - g. Write two advantages of non woven fabric
 - h. Name supply package for weft knitting machine
 - i. Name essential parts of needle punching loom
 - j. Name the needle used in stitch bonding technique.

SECTION B

- 2. Attempt any three of the following: 10 x 3 = 30**
- a. write a note on various web making techniques
 - b. Describe the loop formation in knitted structure using latch needles
 - c. Describe passage of warp through circular weft knitting machine
 - d. Explain passage of yarn from Tricot knitting machine
 - e. With suitable sketch describe Gabler rapier picking systems

SECTION C

- 3. Attempt any one part of the following: 10 x 1 = 10**
- (a) Write note on advantages of knitting over weaving
 - (b) Write a note on knitting cycle of beard needle
- 4. Attempt any one part of the following: 10 x 1 = 10**
- (a) Classify warp knitted structures and sketch tricot structure
 - (b) With suitable sketch describe the loop of knitted structure
- 5. Attempt any one part of the following: 10 x 1 = 10**
- (a) briefly describe spun laid non woven
 - (b) Write a note on random laid web making
- 6. Attempt any one part of the following: 10 x 1 = 10**
- (a) Classify nonwovens with reference to its end uses
 - (b) Describe wet laid web making
- 7. Attempt any one part of the following: 10 x 1 = 10**
- (a) Sketch and describe the rapier head of any dewas picking system
 - (b) With suitable sketch describe drive to rapier head of any flexible rapier.