

(Following Paper ID and Roll No. to be filled in your
Answer Books)

Paper ID : 164804

Roll No.

--	--	--	--	--	--	--	--	--	--

B.TECH.

Theory Examination (Semester-VIII) 2015-16

ADVANCE FABRIC MANUFACTURING

Time : 3 Hours

Max. Marks : 100

Section-A

1. Attempt all parts. All parts carry equal marks. Write answer of each part in short. (2×10=20)

- (a) Define non woven fabric.
- (b) Define geotech
- (c) Write three products of mobiltech nonwovens.
- (d) Define the term BVB fabric
- (e) Define spun bonded nonwovens
- (f) Name essential parts of needle punching machine

- (g) Define throat length and throat depth of a barbed needle
- (h) Define course and wales.
- (i) Define Plain knit structure
- (j) Name the father of Rapier and the year of invention of rapier picking.

Section-B

2. Attempt any five questions from this section.

(10×5=50)

- (a) Briefly discuss the advantages of nonwovens over woven fabrics.
- (b) Write short note on fibres used in nonwovens.
- (c) Describe the process of dry web making through carding.
- (d) with suitable sketch describe the barbed needle used in nonwoven manufacturing
- (e) Define barb spacing and its relation with depth of penetration for needle punching.

- (f) Describe with suitable sketch the process of malimo nonwoven making technique.
- (g) Write note on advantages of knitting over weaving.
- (h) Sketch interlock weft knit structure and describe the needle bed arrangement.

Section-C

Attempt any two questions from this section. (15x2=30)

- 3. Describe entire process sequence for non woven fabric manufacturing.
- 4. Describe the stitch bonding technique for nonwoven fabric manufacturing.
- 5. Classify knitting machines and describe knitting action of each type.