

Q5. Compare any three makes of modern rapier looms for their essential technical specifications. 20x1=20

OR

Q5. Calculate production of any modern rapier loom for 60 inch wide fabric $n_1 \times n_2 = 42 \times 34$. (assume suitable data).

Printed Pages : 4



164804

ECT807

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

PAPER ID : 164804

Roll No.

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

B. TECH
(SEM. VIII) THEORY EXAM. 2014-15
ADVANCE FABRIC MANUFACTURING

Time : 3 Hours]

[Total Marks : 100

Note : 1) Attempt all questions

2) All questions carry equal marks.

Q1. Write notes on any *two* : 10x2=20

a) Classification of non woven fabrics based on manufacturing techniques.

- b) Dry laid random web making for non woven fabric.
- c) Technical features of non woven structures.

Q2. Describe the Lutravil non woven production. 20x1=20

OR

Q2. Discuss machine parameters affecting needle punched fabric properties.

Q3. Write notes on any *two* : 10x2=20

- a) Needle bed arrangement for rib and interlock structure on circular bed.
- b) Loop formation sequence of compound needle.

- c) Passage of warp through flat weft knitting machine for plain knit structure.

Q4. With suitable sketch describe the features of Raschel warp knitting machine. 20x1=20

OR

Q4. Write notes on

- a) knitting cycle of latch needles on tricot warp knitting machine.
- b) Cam profile of circular weft knitted machine for purl structure.