

B.TECH DEGREE EXAMINATIONS: MAY/JUNE 2013

Sixth Semester

TEXTILE TECHNOLOGY

TTX116: Nonwovens and Speciality Textiles

Time: Three Hours

Maximum Marks: 100

Answer all the Questions:-

PART A (10 x 1 = 10 Marks)

1. Linear speed of the spun bonding process in m/hour is _____
 - a) 5
 - b) 50
 - c) 500
 - d) 5000
2. In the card web the ratio of machine direction : cross direction (M:C) strength is ____
 - a) 1:1
 - b) 10:1
 - c) 100:1
 - d) 1000:1
3. _____part of the needle mostly influences the needled nonwoven fabric properties.
 - a) Crank
 - b) Shank
 - c) Barb
 - d) Point
4. Impregnation of fiber webs with adhesive dispersion results in _____bonding
 - a) point
 - b) agglomeration
 - c) segment
 - d) no definite
5. Which one of the following coatings is used to achieve complete saturation of the base fabric during impregnation?
 - a) Knife coater
 - b) Nip coater
 - c) Spray coater
 - d) Dip coater
6. _____is the coating material used for book binding cloth.
 - a) Oil composition
 - b) Starch
 - c) Rubber latex
 - d) Polyurethane
7. In narrow needle loom, the selvedge on the filling insertion is a_____ selvedge and the other side is a _____selvedge.
 - a) Knitted, woven
 - b) Knitted, leno
 - c) Woven, knitted
 - d) Woven, leno
8. Textile materials are preferred mostly in _____area of the footwear.
 - a) sole
 - b) insole
 - c) heel
 - d) upper

b) Explain the production of laminated fabrics with advantages and disadvantages.

24. a) Explain about production of narrow fabrics in needled narrow looms.

(OR)

b) Explain about the general shoe making methods with sketches. List the components of the footwear.

25. a) Discuss the types and formation of the flocked fabrics with suitable sketch.

(OR)

b) Explain about production of pile surfaced carpet fabrics.
