



Register Number:.....

B.TECH DEGREE EXAMINATIONS: NOV/DEC 2014

(Regulation 2009)

Sixth Semester

TEXTILE TECHNOLOGY

TTX 116: Nonwovens and Speciality Textiles

Time: Three Hours

Maximum Marks: 100

Answer all the Questions:-

PART A (10 x 1 = 10 Marks)

1. _____ fibre is dominating in usage in the nonwoven industry.
 - a) Viscose
 - b) Polyester
 - c) Polypropylene
 - d) cotton
2. Random laid webs are _____ in structure.
 - a) Isotropic
 - b) Orthotropic
 - c) Anisotropic
 - d) Quasi-isotropic
3. The size of the test sample for testing mass per unit area of nonwoven is _____ cm².
 - a) 500
 - b) 50
 - c) 100
 - d) 10
4. Calendaring of nonwoven fabric improves_____.
 - a) Smoothness
 - b) Strength
 - c) Luster
 - d) GSM
5. Resin add-on can be 'fine tuned' by _____of the blade.
 - a) Subtle angling
 - b) Profile
 - c) Sharpening
 - d) Tension
6. The pressure on the nip roll during fabric impregnation determines the _____for any given fabric.
 - a) Expression
 - b) Shrinkage
 - c) Strength
 - d) Colour

22. a) Explain the working principle of various chemical bonding processes with neat sketch.

(OR)

b) Explain briefly the principle of working of various mechanical bonding processes with neat sketch.

23. a) Describe the ball licking roller technique and transfer coating process with neat sketch.

(OR)

b) Compare the advantages and disadvantages of various lamination techniques.

24. a) Describe the requirements and methods in making shoes.

(OR)

b) Elaborate with a neat sketch, on the production of narrow fabrics on shuttleless looms.

25. a) Explain the raw materials requirements, construction details and production process of Zip fastener tapes.

(OR)

b) Explain about the pile surfaced carpet and its production.
