KUMARAGURU
college of technology
character is life

Register Number:…….

B.TECH DEGREE EXAMINATIONS: MAY 2015

(Regulation 2013)

Third Semester etc.

TEXTILE TECHNOLOGY

U13TXT302**:** Yarn Manufacturing Technology – I

Time: Three Hours **Maximum Marks: 100**

Answer all the Questions:-
PART A (10 x 1 = 10 Marks)

1. AWES stands for

   a) automatic waste evaluation system b) automatic waste estimation
   c) automatic waste evacuation system d) american waste evaluation standard

2. The removal of cotton fibres from cotton balls is known as _____.

3. Which is known as heart of spinning

   a) ginning b) blowroom
   c) carding d) combing

4. Actions takes place in combing are _____,_____ and _____.

5. _____is the process of attenuating the count of a material using a combination of pairs of rollers.

   a) drawing b) dobling
   c) roller drafting d) blending

6. The amount of extension of length is called as _____.

7. The combing system consists of combs

   a) three b) four
   c) two d) one

8. In ordinary combing the amount of noil removed is about _____.

9. The output of simplex is

   a) sliver b) roving
   c) lap d) yarn

10. ._____is used to give proper tension to the upper and bottom rollers

PART B (10 x 2 = 20 Marks)

(Answer not more than 40 words)

11. List the objectives of ginning.

12. Define degree of blending.
13. How will you select a clothing for a card?
14. How will you estimate the waste levels in card for various materials?
15. What is the principle of autoleveller?
16. Compare actual and perfect draft.
17. What are the different types of feed available in combing machine?
18. Distinguish between circular comb and top comb.
19. Give the importance of speed frame.
20. Compare bobbin lead and flyer lead winding.

PART C (5 x 14 = 70 Marks)

(Answer not more than 400 words)

Q.No. 21 is Compulsory

21. Explain the passage of material in modern card with a neat sketch.

22.a) (i) Classify the different types of gins and explain the working principle of mccarthy gin [10]

(ii) List out the effects of ginning in yan quality [4]

(OR)

b) (i) Show the working principle of chute feed system with an illustration [10]

(ii) What is the role of air current in modern blowroom? [4]

23.a) (i) Explain the working principle of doubling and drafting. [10]

(ii) Classify the different types of cots and state their specifications [4]

(OR)

b) Expain the different types of autolevellers and list out their advantages and disadvantages

24. a) Illustrate the cycle of combing and explain the various steps in combing

(OR)

b) (i) Give the impotance of comber preparatory process [4]

(ii) Explain the different types of feed in combing with a neat sketch. [10]

25. a) Expain the different winding principle in speedframe.

(OR)

b) (i) Explain the passage of material through ringframe [10]

(ii) State the objectives and principle of rovingframe. [4]

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