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JAYA GROUP OF INSTITUTIONS -THIRUNINRAVUR
4TH SEM SEM-B.E/B.Tech
INTERNAL ASSESSMENT (MODEL EXAMINATION -II)

Subject Name : Technology of Yarn Spinning

Date : 07/04/2015

Subject Code : TT6403

Branch: Textiles

Duration :180minutes

Max.Marks:100

Part A (10X2=20) Answer all the Questions:

1. State the importance of Delta zone in Ring spinning.
2. Give the causes for end breakages in ring spinning.
3. What are the limitations of condensed yarn spinning?
4. What are the different methods in condensed yarn spinning?
5. If, two yarns of 10^s and two yarns of 20^s are folded together, calculate the resultant count of the yarn.
6. Write the merits of yarn plying.
7. Give the properties of Rotor spun yarn.
8. What is the principle of Rotor spinning?
9. What do you mean by core yarn and wrap yarn?
10. Write the application of the friction spun yarn.

Part - B

(5x16=80)

11. A) Explain the working of Ring spinning machine with relevant sketches. (16)
Or
B) Explain the working of cop building mechanism in Ring spinning machine with relevant sketches. (16)
12. A) With neat sketches explain the Com4spin process (16)
Or
B) Write a short note on
 - i) EliTe Spinnig system
 - ii) Advantages of compact spinning(8+8)
13. A) Explain the working of Two For One Twister and explain the twist insertion. (16)
Or
B) Explain the types fancy yarns production and its structure. (16)
14. A) Explain the types of Navels and Rotor grooves. (16)
Or
B) Explain the mechanism of yarn forming in Rotor spinning with relevant sketches. (16)
15. A) With neat sketches explain the DREFF - II friction spinning machine. (16)
Or
B) With neat sketches explain the Core yarn production in different methods (8+8)