

## YARN MANUFACTURE-II

(Code : TXT-402)

Full Marks : 80

Time : 3 hours

Answer any five questions including Q.Nos.1 &amp; 2

Figures in the right-hand margin indicate marks

1. Answer the following in one or two sentences each : 2 × 10
- (i) What is break draft ?
  - (ii) Roller drafting is possible between minimum how many pair of rollers ?
  - (iii) Write the no. of passages given in between carding and combing ?
  - (iv) Define roller drafting ?
  - (v) Relate back zone, front zone and total draft ?
  - (vi) Which type of feed produces good quality in comber ?
  - (vii) What is floating fibre ?
  - (viii) State any two tasks of fly frame building motion ?
  - (ix) What are the objects of speed frame ?
  - (x) Suggest the suitable shore hardness of cots for processing wool ?
2. Answer all : 5 × 6
- (a) What are the objects of drawframe ?
  - (b) Explain monitoring systems of D/F ?
  - (c) State the objects of comber ?
  - (d) Describe ribbon lap machines ?
  - (e) Describe roving defects ?
  - (f) How roller slip is avoided ?
3. Describe in brief different top-roller Weighting systems ? 10
4. Write short notes on two : 5 × 2
- (i) Platt's pressure bar drafting system
  - (ii) Drafting wave
  - (iii) Type of feed in the comber.

5. Show the passage of material through fly frame and name different parts. 10
6. Discuss the working of comber? 10
7. Calculate the production of a drawframe per two deliveries per shift in kgs from  
Front roller delivery = 220 mts/min  
Hank sliver = 0.11  
Efficiency % = 80. 10