

Roll No.

Total Pages : 05

BT-4/M-24

44198

YARN MANUFACTURING-II

Paper : PCC-TEX-204A

Time : Three Hours]

[Maximum Marks : 75

Note : Q. No. 1 is compulsory. and each subpart are of 1.5 marks. Attempt *Four* from rest portion questions in total, such that *one* question from each Unit.

1. (i) What is the heart of spinning ?
 - (a) Ring frame
 - (b) Carding machine
 - (c) Speed frame
 - (d) All of the above
- (ii) Which instrument is measure for the hardness of the cots ?
 - (a) Vicor
 - (b) Shore
 - (c) Thow
 - (d) Pascal
- (iii) Which type of the long term loop used in the machine in spinning ?
 - (a) Carding

- (b) Comber machine
(c) Draw frame
(d) Breaker draw frame
- (iv) The angle of the licker-in wire for carding polyester should be around ?
(a) 65
(b) 70
(c) 75
(d) 73.5
- (v) What is the measure impurities of the comber eliminate ?
(a) Short fiber+ long fiber
(b) Noil
(c) Noil + Short Fiber
(d) Hooks
- (vi) Which machine is used in the c type tension ?
(a) Ring frame
(b) Ring doubling machine
(c) TFO machine
(d) Flyer Frame
- (vii) How many maximum number of doubling the sliver of the draw frame ?
(a) 12-16
(b) 18-20

(c) 16-18

(d) 10-12

(viii) Balloon control rings are more effective

.....

(a) At the end of the doff

(b) Throughout of the doff

(c) At the middle of the doff

(d) At the beginning of the doff

(ix) The waste of the removed in the blow room while processing man-made fiber should be around ?

(a) 0.01%

(b) 0.1%

(c) 2%

(d) 3.03%

(x) Acrylic fiber is made from at least 85% by weight of ?

(a) Formic acid

(b) Acrylic acid

(c) Acrylonitrile acid

(d) Acrylamide acid

1.5×10=15

Unit I

2. (a) Discuss in details slivers Lap machine and ribbon
Lap machine ?

6

- (b) What is different type of comber and with their principle and its modern development of comber machine ? 9
3. Write down the combing rectilinear cotton comber with neat and clean diagram and its details. 15

Unit II

4. What is the objective principle & modern development of speed frame with neat and clean diagram ? 15
5. (a) Write down the different type of building motion of the speed frame in details. 8
- (b) Write down the flyer frame and common defect of the roving package in details. 7

EXAMKIT

Unit III

6. Write down the objective, principle and mechanism of twisting, winding and doffing of the ring frame. 15
7. Write a short note of the drafting system, balloon control rings, design and type of ring and traveler and ordinary and high draft system of the ring frame. 15

Unit IV

8. Write down the objective, principle of the TFO machine and its yarn application and modern development of TFO machine. 15
9. What are the doubling and objective of ring doublers and requirement of the feed package and yarn application or defects and their remedies ? 15

