

Roll No. ....

Total Pages : 03

BT-4/M-24

44199

FABRIC MANUFACTURING-II

PCC-TEX-206A

Time : Three Hours]

[Maximum Marks : 75

**Note :** Attempt *Five* questions in all, selecting *one* question from each Unit. Q. No. 1 is compulsory. All questions carry equal marks.

**(Compulsory Question)**

1. Attempt all parts :

- (i) What is multiple drop box motion ? 2
- (ii) Define the Negative Take up motion. 2
- (iii) What are the objectives of 7 Wheel Take up motion ? 2
- (iv) What are the Basic Requirements of Positive Let off Motion ? 2
- (v) Define the Electrical Warp stop motion. 2
- (vi) Enlist the Parts of Dobby loom. 2
- (vii) Classify the Jacquard Loom. 2
- (viii) Convert the 24 Tex in to Nm. 1

## Unit I

2. (a) What are the features of the Take Up motion ?  
Also explain the working mechanism of 5 wheel  
Take Up motion with suitable figures. 10
- (b) Differentiate between the Negative Take up motion  
and Positive Take up motion. 5
3. (a) Explain the Working Principle and Construction with  
parts of Negative Let off motion of loom with neat  
and clean diagram. 10
- (b) What are the objectives of Let off motion ? 5

## Unit II

4. (a) What are the special features of Weft Stop motion ?  
Also explain the Working Principle of Side Weft  
fork motion with suitable figures. 10
- (b) Differentiate between the Loose Reed and Fast Reed  
warp protecting motion. 5
5. (a) What are the special features of Warp Protecting  
motion ? Also explain the working principle of  
Loose Reed warp protecting motion with suitable  
figures. 10
- (b) State the classification of Auxiliary Motion and  
their utility. 5

### Unit III

6. State the classify of the Automatic looms. Also explain the working mechanism of the shuttle changing mechanism with the help of suitable figures. 15
7. (a) Explain the working mechanism of  $4 \times 1$  drop box motion with the help of suitable figures. 10
- (b) What are the objectives of dobby looms ? Also state the different loom components used for dobby looms. 5

### Unit IV

8. Discuss the type of shed formed in Dobby loom. Also explain the working mechanism of a Double lift Double jack dobby with suitable figures. 15
9. With suitable figures, explain the mechanism of Double lift Single cylinder jacquard and also different parts of jacquard loom. 15