

## SECTION-C

**Note:** Long answer type questions. Attempt any three questions. 3x10=30

- Q.3 Discuss the working principle of double lift dobby. Illustrate your answer with the help of suitable diagram. Also show suitable design for above dobby machine.
- Q.4 What are the objectives of jacquard motions? With the help of neat diagram, explain the working principle of double lift double cylinder motions. Also prepare cards using any suitable motif.
- Q.5 What are the salient features of drop box motions? How the pattern chain are developed? With the help of suitable design, draw the pattern chains for eccles drop box motions. Also, explain the working principle of eccles drop box motions with the help of neat sketches.
- Q.6 Calculate production, efficiency of a jacquard loom using suitable data. With the help of necessary data, also calculate set of harness and the reed.
- Q.7 What do you mean by harness building? Also discuss various parts of harness. Describe different types of harness ties.

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**4th Sem. / Text. Design / Text. Tech.**

**Subject : Weaving Technology - II**

Time : 3 Hrs.

M.M. : 100

## SECTION-A

**Note:** Very Short Answer type questions. Attempt any 15 parts. (15x2=30)

- Q.1 a) What is weaving?  
b) What is box motion?  
c) Define lattice.  
d) Mention "Jacquard" faults?  
e) What is paper dobby?  
f) What is reed?  
g) Define pointed tie?  
h) What do you mean by card lacing?  
i) What are dobby faults?

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- j) What do you mean by leno jacquard?
- k) What is T-lever?
- l) Define Harness ties.
- m) What do you mean by drop box faults?
- n) What do you mean by weft mixing?
- o) Define peg-plan.
- p) What do you mean by dobby timing?
- q) What do you mean by pick-and-pick motion?
- r) Define electronic jacquard.

### SECTION-B

**Note:** Short answer type questions. Attempt any ten parts  
10x4=40

- Q.2
- i) Compare between cam dobby and crank dobby.
  - ii) Compare between positive dobby and negative dobby.
  - iii) With the help of suitable motif, Explain the formation of jacquard card.

- iv) Differentiate between ordinary dobby" and cross-border dobby.
- v) With the help of suitable design, Explain the formation of peg and lattice.
- vi) What are the various methods of weft patterning?
- vii) With the help of suitable design, compare between shedding devices.
- viii) With the help of diagram, discuss the parts of dobby motions.
- ix) With the help of suitable data, calculate the production of a weaving machine.
- x) Classify different jacquard looms.
- xi) What is beat-up motions.
- xii) What is Knife?
- xiii) What is Lingoe?
- xiv) Differentiate between Hook and lever.
- xv) Compare between griffe and hook.

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