SECTION-C

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

Q.3 Discuss the working principle of Tappet Shedding. Illustrate Your answer with the help of suitable diagram. Also show suitable motif for above Tappet Shedding machine.

Q.4 What are the objectives of Picking Motions? With the help of neat diagram, explain the working principle Underpick Motions. Also show various parts of Underpick Loom.

Q.5 What are the salient features of Beat-up Motions? What are the objectives of Beat -up motion? Also, explain the working principle of Loose-Reed Beat-up motions with help of neat sketches.

Q.6 What are the various methods of Take-up Motions? With the help of suitable diagram, Explain the working principle of 7-Wheel Take-up Motions.

Q.7 What do you mean by Weft Stop Motion? Also, discuss working principle of Side Weft Fork Motion? Compare between Centre-Weft Fork and Side Weft-Fork Motions.

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3rd Sem. / Text Design / Text Tech.

Subject : Weaving Technology-I

Time : 3 Hrs. M.M. : 100

SECTION-A

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

Q.1 a) What do you mean by "Handloom"?

b) What is Heald?

c) Define Tappet Loom.

d) What do you understand by "Winding".

e) What is Drafting?

f) What are Picking Motions?

g) Define Take-up Motions?

h) What are Heald Reversing Motions?

i) What is Shuttle?

j) What do you mean by Side-Weft Fork Motion?

k) What are Warp Stop Motions?

l) Define Loom Timing Diagram.

m) What do you mean by Gaiting of Beam?

n) What do you mean by Slay Eccentricity?

o) Define Open Shedding.

p) What do you mean by Mechanical Warp Stop Motion?

q) What do you mean by 7-Wheel Take-up Motion?

r) Define Over-Pick Loom.

SECTION-B

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

Q.2 i) Compare between Handloom and Powerloom.

ii) Compare between 5-Wheel and 7-Wheel Take-Up Motion.

iii) With the help of suitable diagram, Explain the Over-Pick Motions.

iv) With the help of neat diagrams, Explain different types of Sheds.

v) With the help of suitable diagram, describe the Loom Timing Diagram.

vi) What are the Early and Late Shedding? Explain.

vii) What are the causes of Shuttle Flying Out?

viii) What are the methods of finding Eccentricity of Slay?

ix) With the help of diagram, discuss the Continuous Take-Up Motions.

x) With the help of suitable diagram, Explain the working of Negative Let-Off Motions.

xi) Classify Weft Fork Motions.

xii) Explain the importance of Brake Motion.

xiii) With the help of suitable diagram, Explain the working of Fast Reed Motion.

xiv) With the help of suitable diagram, Explain the various types of Temples.

xv) Differentiate between Production and Efficiency of a Loom.