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122535

3rd Sem. / Textile Design

Subject : Fabric Manufacture - I

Time : 3 Hrs. M.M. : 100

SECTION-A

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

Q.1 a) Define loom timings.

b) What is significance of sley eccentricity?

c) What is side fork motion?

d) What are features of automatic loom?

e) What are objectives of crank beat up?

f) Define pointed tie?

g) Define peg-plan?

h) What do you mean by drop box faults?

i) What is T-Lever?

j) _____ is a type of dobby?

SECTION-C

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

Q.3 With the help of neat diagram, explain passage of material through conventional non-automatic looms?

Q.4 With the help of neat diagram, Briefly explain loom timing cycle on loom?

Q.5 Define let-off? Explain the working of 7 wheel take up motion?

Q.6 Compare between loose reed and fast reed warp protecting motions?

Q.7 With the help of suitable diagram, Explain the principle of tappet shedding machine?

k) What are types of looms?

l) What is side lever under pick mechanism?

m) What are limitations of tappet shedding?

n) Enlist various motion of loom?

o) Intricate designs can be prepared in _____

p) What is need for beck rest in loom?

q) _____ us a warp-protecting mechanism?

r) Define primary motion of loom?

SECTION-B

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

Q.2 i) What is basic principle of roller reversing motion?

ii) Explain fast reed mechanism with neat sketch?

iii) Discuss different features of 5 wheel take up motion?

iv) Explain the principle of side weft fork motion?

v) What is overpick?

vi) Explain working of spring reversing motion?

vii) Briefly explain the auxiliary motion on a loom?

viii) What are objectives of temple?

ix) Discuss principle of warp protector mechanism?

x) What are limitations of overpick mechanism?

xi) What are different limitations of tappet shedding?

xii) Discuss different objectives of loom?

xiii) How do mechanical warp stop motion work?

xiv) What is significance of sizing process in view of loom weaving?

xv) What are common impurities involved with loom weaving?