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3rd Sem / Textile Design

Subject : Fabric Manufacture - I

Time : 3 Hrs. M.M. : 60

SECTION-A

Note: Multiple choice questions. All questions are compulsory (6x1=6)

Q.1 Shuttle is used to carry the

a) Warp yarn b) Weft yarn

c) Reed d) none

Q.2 Take-up motion is a type of

a) Primary motion b) Secondary motion

c) Auxiliary motion d) none

Q.3 Tappets are mounted on the_____ shaft.

a) Bottom b) Crank

c) Heald d) None

Q.4 When two sets of yarn are interlaced with each other, it is known as

a) Weaving b) knitting

c) Spinning d) None

Q.5 Dobby is a _____ mechanism.

a) Shedding b) Picking

c) Beat-up d) None

Q.6 Center weft fork motion is type of_____ motion.

a) Warp stop b) Weft stop

c) Warp protector d) None

SECTION-B

Note: Objective/ Completion type questions. All questions are compulsory. (6x1=6)

Q.7 Describe warp stop motion.

Q.8 Write any one type of weft stop motion.

Q.9 Tell the function of sley.

Q.10 Define picking motion.

Q.11 Tell the function of lease rods in loom.

Q.12 List all the secondary motions.

SECTION-C

Note: Short answer type questions. Attempt any eight questions out of ten questions. (8x4=32)

Q.13 Discuss loom timings with diagram.

Q.14 Briefly explain the working principle of positive let-off motion.

Q.15 Discuss the working principle of heald reversing motion.

Q.16 Define auxiliary motions of loom. Explain any one of these in detail.

Q.17 Explain the working of any warp protecting motion.

Q.18 What are the limitations of tappet shedding?

Q.19 Discuss the working principle of a 5-wheel take-up motion.

Q.20 Describe working of overpick motion.

Q.21 Discuss any four types of shed in weaving.

Q.22 What do you understand by early and late picking.

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. (2x8=16)

Q.23 Explain the construction and working mechanism of electrical warp stop motion with well illustrated diagram.

Q.24 Explain the construction and working principle of negative let-off motion with the help of a neat and clean diagram.

Q.25 Discuss the construction and working of underpick motion with the help of suitable diagram.