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222534

3rd Sem / Branch : Textile Design
Sub.: Fabric Manufacture - I

Time : 3Hrs. M.M. : 60

SECTION-A

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

Q.1 Weft fork motion is a

a) Primary motion b) Secondary motion
c) Auxillary motion d) None

Q.2 5 wheel take up motion is a

a) Primary motion b) Secondary motion
c) Auxiliary motion d) None

Q.3 Tappets are used for

a) Shedding b) Picking
c) Beat-up d) None

Q.4 Loom is a _____ machine.

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 Loose reed 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 Tell the function of heald shaft.

Q.8 Define weaving.

Q.9 Tell the function of shuttle.

Q.10 Write any one limitation of tappet shedding.

Q.11 Write any one type of heald reversing motion.

Q.12 Write the names of primary motions.

SECTION-C

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

Q.13 Give the objectives and classification of loom.

Q.14 Show the passage of yarn through a non-automatic conventional loom with the help of an illustrated diagram.

Q.15 Describe the primary motions of a loom.

Q.16 Describe shuttle trapping and give the remedies to avoid it.

Q.17 Discuss loom timings with diagram.

Q.18 Discuss the working principle of negative let-off motion.

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

Q.20 Name different auxiliary motions of loom. Discuss any one of these in detail.

Q.21 Discuss the limitations of tappet shedding in brief.

Q.22 Explain the various causes of shuttle flying out in loom.

SECTION-D

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

Q.23 Explain the construction of mechanical warp stop motion with the help of diagram.

Q.24 Explain the construction and working principle of any weft stop motion with the help of a well illustrated diagram.

Q.25 Draw and describe the working of negative tappet shedding mechanism.