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3rd Sem.
Branch : Textile Technology
Sub.: Weaving Technology-I

Time : 3 Hrs. M.M. : 60

SECTION-A

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

Q.1 The width wise threads in a fabric are known as _____.

a) Warp b) Cone

c) Weft d) Ends

Q.2 The process of dividing the warp sheet into two parts is known as _____.

a) Shedding b) Picking

d) Beating d) Drawing in

Q.3 The case in which the shuttle does not reach its destination is known as _____.

a) End break b) Beating up

c) Take up d) Shuttle failure

Q.4 Which part is used for beating up?

a) Heald b) Reed

c) Shuttle d) Treadle

Q.5 7 wheel is a type of _____.

a) Let off motion b) Primary Motion

c) Take up motion d) Auxiliary Motions

Q.6 _____ motions is a loom improve efficiency of loom and fabric quality.

a) Primary Motions b) Auxiliary Motions

c) Drawing in d) Secondary Motions

SECTION-B

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

Q.7 How many set of yarns are used in weaving?

Q.8 What is the other name of warp yarns?

Q.9 Name one type of shedding mechanism.

Q.10 The bottom shaft receives motion from which shaft?

Q.11 In shuttle box picker travels on which part?

Q.12 Give meaning of EPI and PPI.

SECTION-C

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

Q.13 Classify various weaving motions.

Q.14 Write down the functions of heald frame.

Q.15 Name and compare different methods of shedding.

Q.16 Differentiate early shedding and late shedding.

Q.17 Write a short note on beating up motion.

Q.18 What are the objects of take up motion.

Q.19 What is dividend in a five wheel take up motion?

Q.20 Describe working of negative let off motion.

Q.21 Describe the importance of auxiliary motions in a power loom.

Q.22 Calculate the actual production of a loom is yards / shift of 08 hours:

Loom Speed = 180 rpm , PPI = 45 and Efficiency = 75%

SECTION-D

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

Q.23 Explain different types of sheds with suitable diagram along with their merits and demerits.

Q.24 Mention important parts of under pick motion in a diagram and explain its working.

Q.25 Explain the constructional detail and working of seven wheel take up motion with a diagram.