SECTION-D

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

Q.23 Describe constructional detail and working of tappet shedding mechanism with a diagram.

Q.24 Mention important parts of beating up mechanism in a diagram and explain its working.

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

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3rd Sem / Textile Technology

Subject : Weaving Technology - I

Time : 3 Hrs. M.M. : 60

SECTION-A

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

Q.1 Interlacement of warp and weft is known as_____.

a) Winding b) Warping

c) Weaving d) Pirn

Q.2 The length wise threads in a fabric are known as _____.

a) Pick b) Warp

c) Weft d) Pirn

Q.3 The process of passing the weft yarn through the shed is called_____.

a) Shedding b) Drawing-in

c) Beating d) Picking

Q.4 Which part is used for picking?

a) Heald b) Reed

c) Shuttle d) Treadle

Q.5 _____ motions in a loom helps in continuous weaving:

a) Secondary Motions b) Primary Motions

c) Drawing-in d) Auxiliary Motions

Q.6 Picks per Minute is equal to_____.

a) Motor RPM b) Bottom Shaft RPM

c) Crank Shaft RPM d) None of these

SECTION-B

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

Q.7 What is denting order?

Q.8 Name one type of picking motion.

Q.9 Beating up mechanism receives motion from which shaft?

Q.10 Name one type of take-up motion.

Q.11 Name one type of auxiliary motion.

Q.12 How many picks per minute are being inserted by a loom, if it is running at 180 rpm?

SECTION-C

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

Q.13 Write down the passage of material through a power loom.

Q.14 Write down the functions of reed.

Q.15 Describe different types of closed shedding.

Q.16 What is the object of picking? Name different picking mechanisms?

Q.17 Name various parts of under pick motion in a diagram.

Q.18 Mention the relationship between take up and picks per inch.

Q.19 Name various types of wheels used in 7-wheel take up motion.

Q.20 Describe working of negative let-off motion.

Q.21 Name various auxiliary motions in a power loom along with their objects.

Q.22 Calculate the actual production of a loom in yards/day:

Loom Speed = 450 rpm, PPI = 60 and Efficiency = 80%