Q.27 What are the objectives of take up motion and warp protective motion?

Q.28 Discuss the timing diagram of loom?

Q.29 Explain the positive tappet shedding with diagram.

Q.30 Differentiate between Electrical and Mechanical warp stop motion.

Q.31 Write note on heald reversing motion.

Q.32 Draw the diagram of path of yarn through a loom and explain the following parts?

a) heald shaft

b) Reed

c) Weavers beam

Q.33 What are the objectives of warp stop motion?

Q.34 Explain the construction of beat up motion with working and its diagram?

Q.35 What are secondary motions and explain its type also?

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. (2x10=20)

Q.36 Explain different types of loom in brief. Explain five parts of loom also.

Q.37 Explain the working principle of negative tappet shedding motion with the help of diagram.

Q.38 Explain working principle or under pick motion with the help of diagram.

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3rd Sem / Textile Design
Subject:- Fabric Manufacturing- I

Time : 3Hrs. M.M. : 100

SECTION-A

Note: Multiple choice questions. All questions are compulsory (10x1=10)

Q.1 In which method, a fabric is produce by single yarn _____.

a) Knitting b) Weaving

c) Both of the above d) None

Q.2 Number of ends in one square inch of a given fabric sample is.

a) EPI (end per Inch)

b) PPI (pick per Inch)

c) EPS (end per square)

d) None

Q.3 Which type of shedding mechanism is used for very large and complex patterns?

a) Tappet shedding b) Dobby shedding

c) Jacquard shedding d) None

Q.4 The process of passing the weft yarn through the shed from one box to other is known as

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

Q.5 Take up motion can be
a) Intermittent take up motion
b) Continuous take up motion
c) Both of the above
d) None of the above

Q.6 Loom is a _____ machine.
a) Weaving b) Knitting
c) Spinning d) None

Q.7 In tappet shedding, no. of heald shaft that can be controlled.
a) 6 to 8 b) 8 to 10
c) 10 to 15 d) 20 to 30

Q.8 Which of the following is a primary motion?
a) Shedding b) Picking
c) Beat up d) All of the above

Q.9 Tappet, dobby and jacquard are which type of mechanism?
a) Shedding b) Picking
c) Beat up d) None

Q.10 The loom in which shuttle is not used for picking is known as
a) Shuttle loom b) Shuttle less loom
c) Hand loom d) None

SECTION-B

Note: Objective type questions. All questions are compulsory. (10x1=10)

Q.11 Define hand loom.
Q.12 What is shedding?
Q.13 What is the function of take up motion?
Q.14 Define let-off motion.
Q.15 What is picking?
Q.16 What are the secondary motions?
Q.17 What are the different types of shed?
Q.18 What is the primary motion?
Q.19 List any one object of shedding.
Q.20 Define weaver beam.

SECTION-C

Note: Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)

Q.21 Write down introduction and classification of loom.
Q.22 Discuss over pick motion with diagram?
Q.23 What are the objectives of let-off motion and take up motion?
Q.24 Write down the limitations of tappet shedding.
Q.25 Write down the working of beat up motion with diagram.
Q.26 Illustrate the working of 5 wheel take up motion with diagram.