

No. of Printed Pages : 4  
Roll No. ....

222752

**5th Sem. / Textile Technology**  
**Subject : Advanced Fabric Manufacturing**

Time : 3 Hrs.

M.M. : 60

**SECTION-A**

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

- Q.1 Selvedges are \_\_\_\_\_.  
a) Conventional                      b) Tucked  
c) Cross Leno                        d) All of these
- Q.2 Projectile looms are also known as \_\_\_\_\_ looms.  
a) Griper                                b) Hydraulic  
c) Pneumatic                        d) Rapier
- Q.3 The weft feeler which causes minimum damage to weft is  
a) Mechanical feeler                b) Electrical feeler  
c) Photo Electrical feeler        d) None of the above
- Q.4 When the last pick is pushed up to the cloth fell is known as \_\_\_\_\_.  
a) Beat up                                b) Take up  
c) Let-off Motion                      d) Picking

Q.5 function weft feeler is to check\_\_\_\_\_.

- a) Presence of weft in fabric
- b) Presence of weft on prin
- c) Presence of weft in heald frame
- d) None of the above

Q.6 Maximum insertion rate of \_\_\_\_\_loom.

- a) Air jet                                      b) Rapier
- c) Projectile                                      d) Dobby

### Section-B

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

Q.7 What is Loom Efficiency?

Q.8 What is RH% of Loom Shed?

Q.9 What is Selvedge?

Q.10 Expand the term GSM.

Q.11 What is the purpose of selvedge.

Q.12 The weft insertion method on air jet loom is \_\_\_\_\_  
(Unilateral/ Bilateral)

### Section-C

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

Q.13 Name the Different types of fabric Defects.

Q.14 Differentiate between Shuttle and Shuttle less Looms.

Q.15 Write the Advantages of photo electric weft feeler mechanism over mechanical warp feeler.

Q.16 What is the role of temple in Loom?

Q.17 Calculate the production in meters of a Water Jetloom running at 750 PPM at 82% efficiency for 8 Hours, Producing a fabric with 65 PPI.

Q.18 Draw the line diagram for 5 Pick terry.

Q.19 Write down main features/specification of Rapier loom.

Q.20 Write down the different factors which effects the efficiency of the loom.

Q.21 Differentiate between Gabler and Dewas system of rapier.

Q.22 Write down the principle and working of weft insertion system in projectile loom.

### Section-D

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

Q.23 Explain the different types of Temples in relation to different types of fabrics.

Q.24 What is the Function of Selvedge? Draw the different Types of Selvedge.

Q.25 Draw the passage of weft insertion on air jet loom as well as write down the working of air jet loom.