

**1st year Branch : Textile Design
Subject : Structural Fabric Design-I**

Time : 3 Hrs.

M.M. : 60

SECTION-A

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

Q.1 To produce 7-end satin weave minimum heald frame required are

- a) 4
- b) 5
- c) 6
- d) 7

Q.2 2 up 1 down in the minimum repeat size of

- a) Twill Weave
- b) Plain Weave
- c) Satin Weave
- d) Diamond

Q.3 When the twill line runs from bottom left to top right then it is called as

- a) Left hand twill
- b) Right hand twill
- c) S-Twill
- d) None of these

Q.4 What the floats of warp and weft are equal is a

- a) Balanced weaves
- b) Weft Face weave
- c) Warp Face weave
- d) None of these

- Q.5 Minimum repeat size of plan weave is
 a) 2x2 b) 3x3
 c) 4x4 d) 1x1
- Q.6 Matt weave, Hopsack weave, Basket weave are the names of
 a) Satin weave b) Twill Weave
 c) Matt weave d) Diamond

Section-B

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

- Q.7 Define twill weave.
- Q.8 Define fabric structure.
- Q.9 Define weft structure.
- Q.10 Define pique structure.
- Q.11 Tell any one feature of satin weave.
- Q.12 Tell any one variety of twill weave.

Section-C

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

- Q.13 Differentiate between warp backed and weft backed fabrics.

- Q.14 Tell three uses of welt and pique structure.
- Q.15 Draw any one wadded Bedford cord weave design.
- Q.16 Construction a 10x10 diamond weave design.
- Q.17 Draw simple honeycomb weave with draft and lifting plan.
- Q.18 Construct any one broken and pointed twill weave.
- Q.19 List any four features of twill weaves.
- Q.20 Construct 5-end satin and sateen weave with draft and peg plan.
- Q.21 List any four features of mock leno weave.
- Q.22 Discuss the characteristics of satin weave.

Section-D

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

- Q.23 Illustrate the design, draft & lifting plan of 2/1, 3/3, 4/1 & 2/2 twill weave with the help of diagram.
- Q.24 Draw the regular and irregular satin and sateen weaves with their drafting and lifting plans.
- Q.25 What do you understand by backed fabric. What is the difference between warp and weft backed fabrics explain by the help of example?