

2nd Sem / 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 Minimum repeat size of Plain weave is

- a) 2x2
- b) 3x3
- c) 4x4
- d) 1x1

Q.2 The number of heald frames required to produce a weave design is determined by

- a) Repeat Size
- b) Weave design
- c) Lifting Plan
- d) Drafting plan

Q.3 Hopsack weave is a derivative of _____

- a) Plain weave
- b) Twill weave
- c) Mockleno weave
- d) Diaper Weave

Q.4 2 up 1 down is the minimum repeat size of

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

- Q.5 Straight draft is used for the
- a) Plain weave b) Twill weave
 - c) Satin Weave d) Diamond Weave
- Q.6 When the floats of warp and weft are equal is a
- a) Balanced weave b) Weft Face Weave
 - c) Warp Face Weave d) None of these

SECTION-B

Note: Objective/ Completion type questions. All questions are compulsory. $(6 \times 1 = 6)$

- Q.7 Define pique structure
- Q.8 Tell any one feature of satin weave
- Q.9 Define EPI & PPI
- Q.10 Name any two type of twill weave
- Q.11 Define bedford cord.
- Q.12 Tell any two characteristics of ordinary honeycomb weave.

SECTION-C

Note: Short answer type questions. Attempt any eight questions out of ten questions. $(8 \times 4 = 32)$

- Q.13 Construct a 10x10 diamond weave design.
- Q.14 Write definition of draft, peg plan and denting order.

- Q.15 List any four characteristics of backed fabrics.
- Q.16 Write any four characteristics of crepe weave.
- Q.17 Discuss the distorted thread effect?
- Q.18 Draw combined twill weave in warp and weft way.
- Q.19 Tell any four features of sponge weave.
- Q.20 Construct diaper weave.
- Q.21 List any four features of welt and piques.
- Q.22 Construct 5-end satin and sateen weave with draft and peg plan.

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. $(2 \times 8 = 16)$

- Q.23 Write features of ordinary and brighton honeycomb weave. Also draw its weave design drafting plan & peg plan.
- Q.24 Explain types of twill weave with design, draft and peg plan. Explain each in brief.
- 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?