

SARDAR PATEL UNIVERSITY
M.Sc.(H.Sc.)(III Sem.)(TC) Examination (CBCS)
Friday, 7/12/12
Time: 2.30 P.M. to 5.30 P.M.
PH03ETCL01: Textile Design

Maximum marks: 70

Note: Figures on the right indicate marks allotted to each question.

Q 1 Multiple Choice Question (Choose the correct answer)

(08)

1. A warp faced rib fabric has
 - (a) Equal number of warps and wefts
 - (b) More warps and less wefts
 - (c) Less warps and more wefts
 - (d) None of the above
2. A variation of twill weave is
 - (a) Left hand twill
 - (b) Right hand twill
 - (c) Damask
 - (d) Corkscrew
3. Regular and irregular are types of
 - (a) Plain weave
 - (b) Twill weave
 - (c) Satin weave
 - (d) Pile weave
4. In _____ double cloths there are four sets of yarns.
 - (a) Self stitched and centre stitched
 - (b) Self stitched and wadded
 - (c) Interchanging and wadded
 - (d) Interchanging and self stitched
5. Durability of pile weave depends upon-
 - (a) Cutting method employed for cutting pile
 - (b) Strength of the pile yarn
 - (c) Compactness of the base fabric
 - (d) Strength of warp and weft yarns used
6. Woven border design running parallel to the selvedge are usually obtained by
 - (a) Extra weft yarns
 - (b) Extra warp yarns
 - (c) Swivel weave
 - (d) Lappet weave
7. Minimum angle of a steep twill weave is _____ degrees.
 - (a) 27
 - (b) 37
 - (c) 63
 - (d) 73
8. _____ is used as a thickening agent in print paste preparation.
 - (a) Luprinton PFO
 - (b) Glycerin
 - (c) Salt SV
 - (d) Albumen

P.T.O.

(14)

Q 2 Explain any **SEVEN** of the following:

1. Reclining twills
2. Rib weave
3. Disadvantages of satin weave
4. Centre stitched double cloth
5. Discharge printing fabric surface ornamentation
6. Lappet weave
7. Knitting
8. Resist printing

Q 3(a) What is the importance of textile design? (6)

(b) Explain any **TWO** of the following: (6)

1. Satin and sateen weaves
2. Warp and weft faced rib weaves

Q 4 (a) How does direction of twist in relation to direction of twill influences prominence of twill weave. (6)

(b) Draw any **TWO** of the following weaves and show the repeat: (6)

1. Herring bone twill
2. Ornamental twill
3. Corkscrew twill

Q 5(a) Write in short on resist printing and foil printing. (6)

(b) Discuss the use of any **TWO** of the following in printing: (6)

1. Starch
2. Wetting agents and fixing auxiliaries
3. Heat
4. Gum

Q 6 Write short notes on any **THREE** of the following: (12)

1. Lacing and braiding
2. Ink jet printing
3. Dobby and jacquard weaves
4. Leno and gauze weaves
5. Non woven
6. Transfer printing

-X-X-X-X-X-X-X-X-X-X-X-X-X-X-X-