

Model Question Paper-1/2 with effect from 2021(CBCS Scheme)

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7th Semester B.Tech. Degree Examination Subject Title: Advanced Fabric Structure & Design

TIME: 03 Hours

Max. Marks: 100

Note: Answer any **FIVE** full questions, choosing at least **ONE** question from each **MODULE**.

Module -1			*Bloom's Taxonomy Level	COs	POs	Marks
Q.01	a	What are Welts & Piques? Draw and explain the construction of a welt Wadded Pique fabric. Give their end uses	L1	1	1,3	10
	b	What are Figured Pique fabrics? With an example, explain the construction of a 4-pick Figured Pique weave structure.	L1	1	1,3	10
OR						
Q.02	a	State the objects of introduction of extra threads in fabrics. With suitable diagrams, explain the methods of disposing surplus extra threads.	L2	1	1,3	10
	b	State the features of Backed cloths and mention their end uses. Construct a Warp Backed weave and explain their method of construction.	L2	1	1,3	10
Module-2						
Q. 03	a	What are Double cloths? Explain the classification of Double cloth with suitable diagrams.	L1	2	1,3	10
	b	Describe the method of construction of Self Stitched Double cloth, using any one principle. Give their end uses.	L2	2	1,3	10
OR						
Q.04	a	What are Interchanging Double cloth? Explain the construction of Interchanging Double cloth design, based on changes in colour arrangement.	L1	2	1,3	10
	b	State the features and end uses of Centre Stitched Double cloths. With suitable design, explain the construction of a Centre Stitched Double cloth using stitching thread ratio 4-face, 4-back to 2 stitching in warp directions.	L2	2	1,3	10
Module-3						
Q. 05	a	Compare & Contrast Gauze & Leno Weaves. Explain the principles of Leno weaving with appropriate sketches.	L4	3	1,3	10
	b	With the help of line diagram, explain the three basic sheds produced by using Flat Steel doup with an eye.	L4	3		10

		OR				
Q. 06	a	Explain the following: (i) Russian Cords; (ii) Simple Net Leno Weave.	L3	3	1,3	10
	b	State the differences between Damask & Brocade fabrics. Explain the method of developing true Damask design, with a simple example.	L4	3	1,3	10
Module-4						
Q. 07	a	Write the classification of Weft Pile fabrics. With the help of a suitable example, explain how All-Over Velveteen fabrics are produced.	L3	4	1,3	10
	b	What are Corded Velveteens? Mention their end uses. With a help of a design & c/s diagram explain how a Corded Velveteen weave is produced using thread ratio 2 pile picks: 1 ground pick.	L1	4	1,3	10
OR						
Q. 08	a	Describe how Warp Pile fabrics are produced using Wire principle.	L3	4	1,3	10
	b	Explain the production of Warp Pile fabrics by using face-to-face principles. Give reasons why this system is preferred to the wire method.	L4	4	1,3	10
Module-5						
Q. 09	a	State the characteristics of Terry Pile structures. Describe different types of Terry Pile structures & mention their end uses.	L3	5	1,3	10
	b	Draw any two standard Terry Weaves for producing loops on the face side only and two standard weaves for producing loops on both sides. Draw interlacing diagrams for each.	L4	5	1,3	10
OR						
Q. 10	a	Explain the method of production of Figured Terry Pile weaves	L3	5	1,3	10
	b	Explain the following:- (i) Principle of Lappet Weaving, (ii) Principle of Swivel weaving	L4	5	1,3	10