Seat No.: Enrolment No		No.: Enrolment No	_
	GUJARAT TECHNOLOGICAL UNIVERSITY		
		BE - SEMESTER-V(New) • EXAMINATION – WINTER 2016	
	Sub	ject Code:2152903 Date:19/11/201	16
	Subject Name:Fabric Structure-I Time:10:30 AM to 01:00 PM Total Marks		10
			s: 70
	Instru	actions:	
		1. Attempt all questions.	
		2. Make suitable assumptions wherever necessary.	
		3. Figures to the right indicate full marks.	MARK
Q.1		Short Questions	14
	1	What is the main feature of twill weave?	
	2	Write the name of plain weave derivatives.	
	3	Enlist the uses of honeycomb weave.	
	4	Write the name of twill weave derivatives.	
	5	Enlist the methods used to produce crepe weave.	
	6	State the uses of plain weave.	
	7	Enlist the name weaves used to produce toweling fabrics.	
	8	What is "Satinette"?	
	10	Define the term "Peg plan".	
	11	State the basic different between sateen and satin weave.	
	12	Define the term "Draft".	
	13	State the uses of twill fabrics.	
	14	State he basic difference between diamond and diaper weave.	
Q.2	(a)	State the characteristics of plain weave.	03
	(b)	Draw design, draft and peg plan of Plain weave on 8 X 8.	04
	(c)	Explain the various methods of ornamentation of Plain weave.	07
	` '	OR	
	(c)	Explain the graphical methods for representation of weave on point paper.	07
Q.3	(a)	State the difference between wavy and herringbone twill.	03
	(b)	With the help of an example, explain the diamond weave.	04
	(c)	Draw design, draft and peg plan of regular weft rib and hopsack weave.	07
		OR	
Q.3	(a)	Write the characteristics of twill weave.	03
•	(b)	With help of an example, explain the balanced and unbalanced twill weave.	04
	(c)	Draw design, draft and peg plan of herringbone twill on 8 shaft.	07
Q.4	(a)	State the characteristics of sateen and satin weave.	03
C	(b)	Write the rules for selecting move no. of sateen / satin weave.	04
	(c)	Draw design, draft and peg plan for 5 end sateen weave and 6 end satin weave.	07
	(0)	OR	0.
Q.4	(a)	Draw only design of Mock leno weave.	03
٠.,	(b)	State the characteristics of Honeycomb fabric.	04
	(c)	Construct design, draft & peg plan for Honeycomb with equal cell formation.	07
Q.5	(a)	State the fabric characteristics of crepe weave.	03
.	(b)	Draw only design of Crepe weaves using any one method.	04
	(c)	Give the classification of Bedford cods? With the help of an example, explain how	07
	(-)	wadded Redford cords are constructed	-

With the help of design, draft and peg plan, explain how weft corkscrew weaves

(a) Draw design of Devon Huckaback weave.

are constructed.

Compare extra warp with extra weft figuring.

Q.5

(b)

(c)

03

04

07