GUJARAT TECHNOLOGICAL UNIVERSITY

GUJAKAT TECHNOLOGICAL UNIVERSITY BE- VII th SEMESTER-EXAMINATION – MAY/JUNE- 2012				
Subject code: 172906 Date: 29/05/2012)12	
Subject Name: Knitting and Garment Technology				
Time: 02:30 pm – 05:00 pm Total Marks: 70			70	
Instructions:				
	Attempt all questions.			
2. 3.		Make suitable assumptions wherever necessary. Figures to the right indicate full marks.		
Q.1	(a)	Draw 2 colours, 2 needle repeat single jersey and 3 colours, 2 needle repeat	07	
	(b)	double jersey designs. Enlist various types of stitches used for making garments. Write in detail on class 100 and 300 stitches.	07	
Q.2	(a)	Answer following:	07	
L.		(i) Calculate the marker efficiency for a 13 m long lay having 56 layers and 59"		
		width of the fabric. Avg area of pattern pieces = 0.20yds		
		Total no. of pattern pieces / garment = 12		
		Total no. of garment to be cut from 1 layer = 10 .		
		(ii) A 100m fabric roll of width 150cm is found to have the following defects at the inspection stage :		
		Defect Slub Hole Missing pick Furkey Shade variation		
		Size $2 \text{ mm} 1.1^{"}$ - $5 \text{ mm} 10^{"}$		
	(b)	Conclude if the fabric roll is acceptable or not(Acceptable if PPHSY<40). Discuss in brief the following	07	
	(0)	i) Fabric grading system ii) Different parts of sewing needle	07	
	(-)	OR	~-	
	(b)	With sketch explain class 1, 2 and 3 seams.	07	
Q.3		Write short note on following:	14	
L.		(i) Feed dogs (ii) Fabric defect analysis and point grading system		
		OR		
Q.3	(a)	Explain in detail various methods available for spreading. Elaborate more on use of traveling machine for spreading.	09	
	(b)	Write a short note on straight knife.	05	
	()			
Q.4	(a)	Write characteristics of Rib fabric.	07	
	(b)	Explain knitting cycle with sketch to produce plain fabric using latch needle. OR	07	
Q.4	(a)	Define: (i) Stitch Density (ii) Knock Over	04	
-		(iii) Stitch length (iv) Tightness Factor		
	(b)	Explain different methods of producing knitted fabrics. Give comparison	06	
	(c)	between warp and weft knitting. Draw 2 x 2 rib fabric.	04	
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Q.5		Explain knitting cycle with sketch to produce tricot fabric. OR	14	
Q.5		With neat sketch, write salient features of following:	14	
		(i) Pearl Fabric		
		(ii) Plain Fabric ********		