Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY B.E. - SEMESTER – VIII EXAMINATION – OCTOBER 2012

Subject Code: 182902 Date: 29/10/2012

Subject Name: Process & Quality Control in Weaving

Time: 02.30pm - 05.00pm Total Marks: 70

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- 2. Make suitable assumptions wherever necessary.
- 3. Figures to the right indicate full marks.

Q.1	(a) (b)	Discuss on Quality of warping beam. Write on minimizing end breaks at pirn winding stage and improving the build of the pirn.	07 07
Q.2	(a) (b)	Discuss on Quality of sizing beam. Discuss stops due to warp breaks & warp faults on loom. OR	07 07
	(b)	Methods to reduce belt slippage for loom drive.	07
Q.3	(a) (b)	Explain Patterning damage occurring on wound bobbins. Give causes and remedies. Discuss unwinding tension at winding.	07 07
Q.3	(a)	 i. Discuss yarn stiches damage occurring on wound bobbin. ii. Discuss Importance of quality of knot. 	07
	(b)	Discuss the importance of control of tension level in minimizing end breaks at warping.	07
Q.4	(a) (b)	 Give causes and remedies for weft bar damages. i. Derive and discuss equation to calculate operative efficiency. ii. Give diagnostic chart for loom shed efficiency. OR	07 07
Q.4	(a)	"It is not possible to maintain desired loom speed if the mechanical condition of the loom is not satisfactory". Justify this statement.	07
Q.4	(b)	 i. Discuss Methodology of direct control. ii. Discuss the points considered for setting norms & formulating schedule of checks. iii. Write points to control small weft loop damage. 	07
Q.5	(a)	Discuss control of yarn stretch at sizing.	07
	(b)	Explain stops due to weft breaks on loom.	07
Q.5	(a)	OR Explain effect of immersion roller, squeezing roller & level of size paste on average	07
~. ~	(4)	size pick up.	07
	(b)	Effect of reed parameters and Drop pins on weaving performance.	07
