Seat No.:	Enrolment No.

Subject Code:182902

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-VIII • EXAMINATION - SUMMER • 2015

Date:11/05/2015

Ti		Attempt all questions. Make suitable assumptions wherever necessary.	70
Q.1	(a) (b)	How patterning can be avoided in spindle driven packages? Discuss in brief about process parameters which govern the removal of faults in winding.	07 07
Q.2	(a) (b)	Discuss the important factors affecting end breaks in warping. Discuss the points to be considered to improve the quality of warping beams. OR	07 07
	(b)	Discuss the causes for low productivity in warping.	07
Q.3	(a) (b)	Discuss in brief the general considerations for selection of ingredients in sizing. Discuss preparation of size recipe.	07 07
0.1	()	OR	0.5
Q.3	(a) (b)	Discuss control of size pick up. Discuss control of yarn stretch on sizing machine.	07 07
Q.4	(a) (b)	Discuss the methods to minimize belt slippage on loom. Broadly classify various loom stops.	10 04
Q.4	(a)	OR Discuss the settings which help to increase the efficiency of the warp-stop motion.	07
	(b)	Discuss the effect of reed parameters on warp breakage rate during weaving.	07
Q.5	(a) (b)	Discuss the steps that will help in minimizing warp streaks. What is meant by 'Process waste' and 'Incidental waste'? OR	08 06
Q.5	(a) (b)	Write in brief about weaving of P/C blend yarns. Discuss Grey fabric inspection in detail.	07 07
