Seat No.:	Enrolment No.
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GUJARAT TECHNOLOGICAL UNIVERSITY BE - SEMESTER-III EXAMINATION – SUMMER 2016

Su	bject	Code:132903 Date:09/06/201	6
Ti	me:10	Attempt all questions.	70
	3.	Figures to the right indicate full marks.	
Q.1	(a)	Write objects and explain construction and working of winding machine with diagram.	07
	(b)	Explain passage of material through pirn winding machine with diagram.	07
Q.2	(a) (b)	Explain Capacitance type yarn clearer with a neat diagram. Explain knotting and splicing of yarn.	07 07
	(b)	OR Write short note on Package defects at winding	07
Q.3	(a) (b)	Explain in brief, additive yarn tensioners with diagram. Write short note on parallel and cross wound package. OR	07 07
Q.3	(a) (b)	Highlight the features of a modern winding machine. Explain unifil loom winder mechanism with diagram.	07 07
Q.4	(a)	Explain the function of Back rest, Reed, Heald shaft, Temple, Emery roller, shuttle, drop pin.	07
	(b)	Give the construction & working of cone under-pick motion with diagram. OR	07
Q.4	(a) (b)	Explain negative let off motion with suitable diagram. With the help of neat sketch explain 7-Wheel Take-up motion.	07 07
Q.5	(a) (b)	Explain tappet shedding mechanism with a neat sketch. Explain in detail about shuttle flight control on plain power loom. OR	07 07
Q.5	(a)	With diagram explain loom timing. Why dwell in the shedding is necessary?	07

Explain briefly about heald reversing mechanism.

(b)

07