Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER - V (NEW) EXAMINATION - WINTER 2015

Subject Code: 2152908			Date:05/12/2015	
\mathbf{T}	ime: 1	et Name: Weaving Technology - II 10:30am to 1:00pm Total Marks: 1. Attempt all questions. 2. Make suitable assumptions wherever necessary.	70	
	3	3. Figures to the right indicate full marks.		
Q.1	(a)	State and explain different motions of plain power looms. With the help of neat diagram, explain the timing diagram of plain power loom in detail.		
	(b)	Compare open shed with closed shed and hence explain different types of sheds in detail with the help of neat diagrams.	07	
Q.2	(a)	State different types of heald reversing motions. With the neat diagrams, explain the same in detail.	07	
	(b)	State the objects of take-up motion. Explain 7 wheel take-up motion with the help of neat diagram.	07	
	(b)	OR State the objects of warp stop motion. With the help of neat diagram, explain any one mechanical warp stop motion in detail.	07	
Q.3	(a)	State the objects of let-off motion. Explain negative let-off motion with the help of neat diagram.	07	
	(b)	Classify picking motion. With the help of neat diagram, explain cone over pick mechanism in detail.	07	
		OR		
Q.3	(a)	State the objects of temples and hence explain all the types of temples in detail with the help of neat diagrams.	07	
	(b)	Give classification of dobbies. With the help of neat diagram explain climax dobby in detail.	07	
Q.4	(a)	State the importance of eccentricity in sley motion and hence explain the method of calculation of eccentricity	07	
	(b)	State the objects of weft fork motion. With the help of neat diagram explain side weft fork motion in detail.	07	
		OR		
Q.4	(a)	Give classification of warp protector motion. With the help of neat diagrams, explain any one type of warp protector motion in detail.	07	
	(b)	State different types of drop box motions. Explain any one drop box motion in detail with the help of neat diagrams.	07	
Q.5	(a)	Compare pick & pick with pick-at-will motion. With the help of neat diagrams, explain pick & pick motion in detail.	07	
	(b)	State the difference between lever and cam dobby. Explain cam dobby in detail with the help of neat diagrams.	07	
~ -		OR	~ =	
Q.5	(a) (b)	State and explain different steps involved in the designing of shedding tappets. With the help of neat diagrams, explain different methods of mounting of shedding tappets on plain power loom.	07 07	
