Seat No.: _____ **Enrolment No._____**

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER–V (NEW) - EXAMINATION – SUMMER 2017

Subject Code: 2152908 **Date: 27/04/2017**

Subject Name: Weaving Technology-II

Time: 02:30 PM to 05:00 PM **Total Marks: 70**

Instructions:

1. **Attempt all questions.**
2. **Make suitable assumptions wherever necessary.**
3. **Figures to the right indicate full marks.**

			MARKS
Q.1		**Short Questions**	**14**
	1	What is the function of check strap?	
	2	State any two functions of a reed.	
	3	What are the objects of a let off motion?	
	4	Write function of swell and swell spring.	
	5	What are the functions of heald shaft?	
	6	State merits of semi open shed.	
	7	What is Reed Count?	
	8	Give a formula for calculating loom production.	
	9	State the objects of temples.	
	10	State the advantages of electronic dobby.	
	11	What is normal Shedding?	
	12	Mention the types of sheds.	
	13	What is the use of drop box motion?	
	14	What are right hand and left hand dobbies?	
Q.2	**(a)**	Draw the passage of warp through weaving m/c. List the parts.	**03**
	(b)	State the objects of negative shedding motions.	**04**
	(c)	Explain different types of sheds in detail with the help of neat diagrams.	**07**
		OR	
	(c)	State the objects of take-up motion. Explain 7 wheel take-up motion with the help of neat diagram.	**07**
Q.3	**(a)**	Compare pick & pick with pick-at-will motion	**03**
	(b)	Write down advantages of a cam dobby.	**04**
	(c)	Explain negative let-off motion with the help of neat diagram.	**07**
		OR	
Q.3	**(a)**	Why card saving device is used in drop box loom?	**03**
	(b)	Compare loose reed mechanism with fast reed mechanism.	**04**
	(c)	Explain all the types of temples in detail with the help of neat diagrams.	**07**
Q.4	**(a)**	Mention the characteristics of double lift dobby.	**03**
	(b)	State the importance of eccentricity in sley motion	**04**
	(c)	With the help of neat diagram, explain Eccle's drop box motion in detail.	**07**
		OR	
Q.4	**(a)**	State different types of heald reversing motions.	**03**
	(b)	Write advantages of double lift dobby.	**04**
	(c)	With a neat sketch explain working of cone over pick mechanism.	**07**
Q.5	**(a)**	State the objects of weft fork motion	**03**
	(b)	State the difference between lever and cam dobby.	**04**
	(c)	Explain the working of the electronic dobby in detail with the help of neat diagram.	**07**
		OR	

Q.5	**(a)**	State the advantages of warp stop motions.	**03**
	(b)	Give classification of dobbies.	**04**
	(c)	With the help of neat diagram, explain the working of cross border dobby in detail.	**07**

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