Se	at No	.: Enrolment No								
GUJARAT TECHNOLOGICAL UNIVERSITY BE - SEMESTER-V- EXAMINATION - SUMMER 2016										
Sı	ıbjec	t Code: 152902 Date: 21/05/20	21/05/2016							
Sı	ıbjec	t Name: Weaving - III								
Ti	ime:	02:30 PM to 05:00 PM Total Marks:	<b>70</b>							
Ins	structi									
	2	<ol> <li>Attempt all questions.</li> <li>Make suitable assumptions wherever necessary.</li> <li>Figures to the right indicate full marks.</li> </ol>								
Q.1	(a)	Classify weft feelers. With the help of neat diagram, explain diameter gauge type weft feeler in detail.	07							
	<b>(b)</b>	State the weft thread cutters mounted on automatic shuttle looms and explain the same with the help of neat diagrams.	07							
Q.2	(a)	State the object of warp stop motion and explain the said mechanism, in detail, with the help of neat diagrams.	07							
	<b>(b)</b>	With the help of neat diagrams, explain the working of cop change mechanism in detail. Also, state some of the important settings of the said mechanism.  OR	07							
	<b>(b)</b>	State and explain the essential requirements to be considered at the time of weaving of fabrics using blended and filament yarns.	07							
Q.3	(a)	State the requirements for production of madras muslin fabric. With the help of neat diagram, explain the mechanism used for giving upward and downward movement to gauze reed.	07							
	(b)	Give classification of automatic shuttle looms. With the help of neat diagram, explain stop type shuttle change mechanism in detail.  OR	07							
Q.3	(a)	Compare lappet fabric with swivel fabric. With the help of neat diagram, explain the mechanism used for transfer of swivel shuttle from one shuttle holder to other, in detail.	07							
	<b>(b)</b>	State the requirements for production of leno fabric and explain the working of the said mechanism in detail with the help of neat diagrams.	07							
Q.4	(a)	pattern cylinder of double lift, double cylinder jacquard in detail.	07							
	<b>(b)</b>	With the help of neat diagrams, explain working of single lift, single cylinder jacquard.	07							
		OR								
Q.4	(a)	State and explain different types of jacquard tie-ups used, in detail, with the help of neat diagrams.	07							
	<b>(b)</b>	Compare automatic cop change mechanism with shuttle change mechanism in detail.	07							
Q.5	(a)	State the objects of let-off mechanism. With the help of neat diagram, explain working of any one let-off mechanism in detail.	07							

(b) State the requirements for production of terry fabrics. Explain principles of working of different types of terry mechanisms used, in detail.

winder with the help of neat diagram.

Compare loom winder with cop change mechanism. Explain working of loom

**Q.5** 

(a)

**07** 

**07** 

<b>(b)</b>	With the	help of	neat d	iagram,	explain	centre	weft	fork	mechanism	in	detail
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