

**GUJARAT TECHNOLOGICAL UNIVERSITY****BE - SEMESTER-VIII (NEW) EXAMINATION – WINTER 2017****Subject Code: 2182902****Date: 07/11/2017****Subject Name: Process & Quality Control in Weaving****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
<b>Q.1</b>	(a) What do you mean by of Machine Audit ?	<b>03</b>
	(b) State the importance of Quality of knots ? Which are suitable for cotton & polyester blend yarns ? How knots are dangerous ?	<b>04</b>
	(c) Discuss on control of yarn stretch at sizing.	<b>07</b>
<b>Q.2</b>	(a) State the formula of Clearing efficiency & Knot factor of slub catcher.	<b>03</b>
	(b) How the package fault Stiches or Jali is formed on cones or chesses ?	<b>04</b>
	(c) Which are the factors affecting loom efficiency ? Suggest the correct method : it's calculation.	<b>07</b>
<b>OR</b>		
<b>Q.3</b>	(c) State the causes of weft breaks on loom & suggest it's remedies.	<b>07</b>
	(a) Give ATIRA's recommendations for uniformity of Dent spacing in reed.	<b>03</b>
	(b) What are the steps would like to take to minimize the end breakage rate at Pirn winding ?	<b>04</b>
(c) Discuss in detail about Jerki & Temple marks alongwith it's causes and remedies.	<b>07</b>	
<b>OR</b>		
<b>Q.3</b>	(a) How one can control the Hard Waste in weaving department?	<b>03</b>
	(b) Describe about Single Moti- a fabric defect.	<b>04</b>
	(c) Explain the effect of immersion roller, squeezing roller & size-paste level on average size pick-up ?	<b>07</b>
<b>Q.4</b>	(a) Briefly explain about Process type hard waste.	<b>03</b>
	(b) What are the causes of low productivity at Warping ?	<b>04</b>
	(c) Discuss in detail about Jerki & Temple marks along with it's causes and remedies.	<b>07</b>
<b>OR</b>		
<b>Q.4</b>	(a) State the functions of Grey Inspection Department in weaving.	<b>03</b>
	(b) Explain any two factors helps to minimize end breaks at warping.	<b>04</b>
	(c) Give causes & remedies of Weft bar and Furkies fabric damage.	<b>07</b>
<b>Q.5</b>	(a) Explain briefly methodology of direct process control ?	<b>03</b>
	(b) Discuss any to factors plays important role for improving the Quality of Warping beams.	<b>04</b>
	(c) 'Unwinding tension at winding is considered as an important parameter.'- Justify.	<b>07</b>
<b>OR</b>		
<b>Q.5</b>	(a) How the Reed parameters effect on weaving performance?	<b>03</b>
	(b) Discuss the role of slub-catcher for efficient removal of yarn fault?	<b>04</b>
	(c) Write a note on fabric defects- Lashing-In and Chira.	<b>07</b>

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