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M.Sc.(Garment Manufacturing Technology) (2015 to 2017) (Sem1) TEXTILE SCIENCE Subject Code: MSc.GMT-103 Paper ID: [A2166]		
Time: 3 Hrs. Max. Marks: 60		
 INSTRUCTION TO CANDIDATES: Attempt any one question from each unit and the fourth can be attempted from any unit. Question No.1 is compulsory. 		
Q1.	Fill in the blanks :	
	a. Full form of GSM	
	b. Name any two basic weaves fibers&	
	c. Name any two Non-woven fabric	
	d. Name any two yarn defect	
	e. Name any one property of wool fiber	
	f. Define 'Yarn Count'.	
	Write True/False for the following:	
	g. Linen fiber is obtained from the stem of flax plant.	
	h. Silk is a natural staple fiber.	
	i. Flax is a Man-made fiber.	
	j. Spandex fiber has very high elasticity.	(2×10=20)



UNIT-I

- Q2. Differentiate between Natural and Man-made fibers. Explain with examples. (10)
- Q3. Explain the Yarn Numbering system in detail. (10)

UNIT-II

- Q4. What is a Yarn? Explain the Yarn defects with examples and how these defects can be removed. (10)
- Q5. What is Spinning? Differentiate between ring spinning and open end spinning. (10)

UNIT-III

- What is textile testing? Explain in detail how feel, burning and chemical tests can be used to identify cotton fibers. (10)
- Q7. Write short notes on the following: (10)
 - a. Laminated fabrics.
 - b. Care Labeling.
 - MMM/FilstRailker.com c. Non-woven fabrics.

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