Minor-II TTL 361 (Textile Testing)

0.4	05-10-2013 Max Marks-25 5.30-6.30 pm (IV-LT3)
Atten	Attempt all questions.
-	Discuss inertia effects in pendulum lever tensile testing machines.
2.	lever based tensil
	testers? (1)
3.	Out of the following, the unit of the result will not be force in (1)
	Bursting strength test, tear strength test, tensile strength test
4.	Tensile testing of a yarn gives strength as 10 gpd. The same yarn is tested on moon. What
	will be the strength? G at moon is 1/6 th in value compared to g at earth.
5.	What are the factors which influence the tear strength of woven fabrics?
.9	ny relationship
	between the two. (1)
7.	What is the difference in the methods used for determining the thermal resistance by
	Togmeter and Guarded hotplate method? (1)
∞ •	solid layers used in breathable fabrics?
9.	
10	What is the basis of hysteresis in Regain - humidity relations of textiles? (2)
	How is Sweating Guarded Hotplate Method closer to real situations than other test
	methods?
12.	How can you utilize the test results of say 20,000 sets of data produced by Uster Tensojet
	for analysis o yarn-quality? (2)
13.	Comment on the following statement with proper justification (brief answers) (3)
a)	The strength in grab test is higher than strip test for same sample width.
(q	During tensile testing of a staple fibre yarn, twist contributes towards two strengthening as
	well as weakening the yarn.
()	The principle used in the testing of bursting and hydrostatic head is same.
14	Fill in the blanks.
a)	The cut strip test is used for fabrics that
(q	In bursting strength test, the fabric fails in the direction in winch