B. Tech.

(SEM. VI) EXAMINATION, 2006-07

CARPET TESTING & QUALITY MANAGEMENT

Time : 3 Hours] [Total Marks : 100

Note : Answer all questions. All questions carry equal marks.

1. Attempt any two parts of the followings:
   
   (a) Specify parameters for handmade carpets relevant for international buyer and their significance.
   
   (b) Tuff binding force for hand knot vis a vis hand tuff – compare and explain.
   
   (c) Correlate the constructional parameters of carpet in terms of terminology exists in Bhadohi and Kashmir.

2. Attempt any two parts of the followings.
   
   (a) Residency in an important property for carpet – explain why and how the same can be achieved as desired.
   
   (b) “Abrasion loss” in carpet is a measure of durability? Explain if it is true or false.

V–6019] 1 [Contd...
(c) What is surface pile deunity and explain its significance to user?

3. State the procedures for measuring functional properties of the carpet and explain any one of than diagramatically.

4. Write short notes on
   (a) ISO 9000 Vs TQM
   (b) Cost of quality
   (c) Quality plan for carpet manufacturing unit

5. Attempt any three parts:
   (a) What is analysis of co-variance? Give example where the technique of analysis of covariance is used.
   (b) Give the layout of a completely randomized design and explain the situation when it is used.
   (c) Explain what is single sampling plan and double sampling plan. Discuss the merits and demerits of them.
   (d) Randomized block design – what does it mean and how the same is made useful?