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**MASTER OF BUSINESS ADMINISTRATION  
(TEXTILE MANAGEMENT) (MBATEXM)**

**Term-End Examination  
December, 2012**

**MCTE-044 : TECHNICAL TEXTILES  
MANAGEMENT**

*Time : 3 hours*

*Maximum Marks : 100*

*Note : Answer any five questions. All questions carry equal marks.*

1. (a) Define Technical Textiles. What are high performance fibres ? Clearly classify high performance fibres. **2+4+4=10**  
(b) Briefly explain the various yarn spinning technologies used for making technical yarns. What is : **6+2+2=10**
  - (i) Folded yarn
  - (ii) Cabled yarn
  
2. (a) Explain with a neat figure a plain woven structure. **10**  
(b) What are various types of non-woven manufacturing technologies ? Explain. **10**
  
3. Explain Durable Flame Retardant finish process with equations and flow diagram. **20**

4. Explain combat soldier 95 clothing layers. 20
5. (a) What are the important properties of fibres to be considered for application in transportation ? 10
- (b) What are the layers of a car seat and discuss about the textile materials used in it ? 10
6. Discuss about the four separate and specialised areas of application of textiles in Medical field. Explain with the help of a suitable example. 20
7. Write short notes on the following : 4x5=20
- (a) Textile for extracorporeal devices.
- (b) Incompatibilities in combat materials system.
- (c) Camouflage textiles.
- (d) Geosynthetics.
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