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Roll No Total No. of Page(s): 01					
BT-7/D-13/9714 Paper: TT-401A: Technical Textile -I					
Time Allowed, 2 has 1					
	Attempt any five questions in all, selecting at least one question from each sequestions carry equal marks.				
1	UNIT-I What do you understand by Technical Textile? Give details classification of Technical Textile and their various applications. What is the use of composite material in technical textile?	4÷6÷6+4			
2	What do you understand by high performance fiber? What are the common high performances fiber uses now a day? Give importance properties of those high performance fibers and their application areas.	4+4+12			
3	UNIT-II  Discuss the principle of filtration. What are the different filtrations media use now a day? What are the factors consider for selecting filtration media? Discuss the advantages and disadvantages of textile filter.	5+3+4+8			
4	Discuss the theory of dust collection and solid liquid separation. Discuss the role of fibre, fabric construction and finishing treatment on suitability of fabric for filtration.	8+12			
	UNIT-III				
5	Define Geo Textiles. What are the properties required for geo textile material. Discuss the function and application area of geo textile material.	4+4+12			
6	Discuss the fibre and fabric selection criteria for Geo Textile application. Discuss the mechanics of reinforcement, filtration, and drainage by geo textile.	5+15			
7	UNIT-IV  Discuss the fibre type, fabric construction, finishing process and others technical details for production of tyre cord, air bags, seat belts, hoses and filters for use in automobile.	20			
8	What are the application areas for textile in automobile?-discuss in details along with their technical specification. Discuss in details the different application textile in railways.	16+4			
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