T. E - VI Seron - Chem

34

Advance materiay
TE/VI/CBGS/CHEM/TSAM

QP Code:717300

(3 Hours)

[Total Marks: 80

N.E	3.:	 Question no. 1 is compulsory Answer Any Three Questions from the Remaining five Questions. Illustrate the answer with proper and neat diagram wherever necessary. 	80	
- 1	(c)	Write applications of carbon Nanotubes. Explain various $A_m X_n$ structures of Ceramic Materials Explain Biomedical application of PTFE. Explain classification of Titanium alloys.	5 5 5	
	(a) (b)	real difficient causes of failure in Gui	5 10 10	-
3.	. ,	Explain Slurry Infiltration Process for labrication of Ceramic Matrix Composites along with its advantage and disadvantages. What is closed molding process? Explain Pultrusion and Pulforming Process for processing of fiber reinforced plastic composites.	10 10	
4. ((a)	Explain preparation of INSITU Particle Metal matrix composite along with its advantage and disadvantages Explain Slip Casting Process for processing of ceramics along with its advantage and disadvantages	10 10	
	(a)	What are composites? Explain classification of Composites Material. Explain Chemical Vapor Deposition Method for synthesis of Carbon Nanotubes.		
	~/	Explain various types of Thermal Spraying Methods used for Thin Film Coating. What is Stainless Steel? Explain various types of stainless steel with their characteristics.	10 10 10	•