Seat No.:	Enrolment No
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GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-VII(NEW) • EXAMINATION – WINTER 2016

Subject Code:2172307 Date:25/11/2016

Subject Name:FRP Technology and composites

Time: 10.30 AM to 1.00 PM Total Marks: 70

Instructions:

1. Attempt all questions.

- 2. Make suitable assumptions wherever necessary.
- 3. Figures to the right indicate full marks.

		MARKS
1	Short Questions fibers are used in the construction of	14
	sport goods like tennis rackets and golf shafts.	
2	Epoxide resin shrink less compared to polyester during cure.(True/False)	
3	Gel coat resins contain a additive to prevent runs and sags from forming during application and cure.	
ļ	For which type of moldings, spilt moulds are used?	
5	Molding is commonly used for manufacture of both small and large reinforced polyester products such as boat hulls and vehicle bodies. (a) Contact molding (b) Foam Reservoir Molding (c) Cold Press Molding	
6 7	Which basic materials are used to make a polyester resin? List the purposes of adding styrene during the manufacture of polyester resin.	
3	Polyester resin with high chemical resistance are frequently made from (a)ethylene glycol (b)dipropylene glycol (c) bisphenol A	
)	Resin injection molding is an intermediate process between molding and molding.	
0 1	List any two inhibitors used for the Polyester resin.	
2	techniques is used for manufacturing	
	pipes, tubes, cylinders and spheres.	
3	What is the purpose of lubricants and antistatic agents during the manufacturing of glass fiber?	
14		0.5
a)	composites.	03
(b)	Explain role of matrix in composites.	04

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