	Seat No.:	Enrolment No.
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GUJARAT TECHNOLOGICAL UNIVERSITY

B. E. - SEMESTER - VI • EXAMINATION - WINTER 2012

Subject code: 162503 Date: 05/02 Subject Name: Metal Forming Processes Time: 02.30 pm - 05.00 pm Total Mar			
	2.	Attempt any five questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	
Q.1	(a)	Classify the metal forming process. Write its advantages, disadvantages and applications.	07
	(b)		07
Q.2	(a) (b)		07 07
	(b)	_	07
Q.3	(a)	Discuss the arrangement of rolls in rolling mills giving reasons for each arrangement.	
	(b)	6	07
Q.3	(a)	Explain the defects of rolled products.	07
	(b)	Explain the process of ring rolling.	07
Q.4	(a)	Define Forging process. Explain the methods of forging.	07
•	(b)		07
Q.4	(a)		07
Q.4	(b)	Explain the process of Hydrostatic Extrusion.	07
Q.5	(a)	Define Drawing process. State advantages of cold drawing process. Explain in brief deep drawing process.	07
	(b)		07
Q.5	(a)	Explain the process of metal spinning with neat sketch. Write its merits and demerits.	07
	(b)	Explain the High Velocity forming of metals	07
