Seat No.: _____   Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY
DIPLOMA ENGINEERING – SEMESTER – VI   EXAMINATION –WINTER - 2018

Subject Code: 3362302   **Date: 29-11-2018**
Subject Name: MOULD FABRICATION TECHNOLOGY-II
Time: 02:30 PM TO 05:00 PM   **Total Marks: 70**
Instructions:
1. **Attempt all questions.**
2. **Make Suitable assumptions wherever necessary.**
3. **Figures to the right indicate full marks.**
4. **Use of programmable & Communication aids are strictly prohibited.**
5. **Use of only simple calculator is permitted in Mathematics.**
6. **English version is authentic.**

Q.1		Answer any seven out of ten.	**14**
	1.	List the advantages of Advance fabrication techniques.	
	2.	List the dielectric medium use EDM process.	
	3.	List Different Tool Materials use in Spark Erosion Process.	
	4.	List the Components Of CNC Machines.	
	5.	List types Of Polishing Materials.	
	6.	Write any four advantages of CNC machine.	
	7.	Write any four advantages of copying milling process.	
	8.	Write any four advantages of Cold Hobbing Process.	
	9.	Draw neat sketch of jig boring machine.	
	10.	Draw neat sketch of Laminated Object Manufacturing.	
Q.2	(a)	Write working of Spark Erosion Process.	**07**
		OR	
	(a)	Write working of Wire-Cut EDM machine.	**07**
	(b)	List the types of attachments use in copying lathe and explain any one.	**07**
		OR	
	(b)	List the types of attachments use in copying milling and explain any one.	**07**
Q.3	(a)	Explain the Construction of Pantograph Die Sinking Machine with neat sketch.	**07**
		OR	
	(a)	Explain the working of Pantograph Die Sinking Machine with neat sketch.	**07**
	(b)	Compare: Jig boring machine and Vertical Milling Machine	**07**
		OR	
	(b)	Write process steps of cold hobbing process.	**07**
Q.4	(a)	Write Advantages And Disadvantages of electroforming process.	**07**
		OR	
	(a)	Explain electroforming process steps.	**07**
	(b)	List types of polishing methods and explain any one with neat sketch.	**07**
		OR	
	(b)	Explain Selective Laser Sintering process.	**07**
Q.5	(a)	Explain Stereo Lithography process.	**07**
	(b)	Write need and significance of polishing.	**07**

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