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Reg. No. :	# - alupati	
Name :		
Seventh Seme	ester B.Tech. Degree Examina (2008 Scheme)	ation, June 2016
08.706.12 : NON-C	ONVENTIONAL MACHINING	TECHNIQUES (MPU)
Time : 3 Hours		Max. Marks: 100
	Part A: Answer all questions. Part B: Answer any one full quest	tion from each Module.
	PART-A	
1. What are the importa	nces of unconventional machining	?
Explain the classifica source employed.	tion of unconventional machining ac	cording to major energy
3. Give the product app	olications of EDM.	CRUM-11)
4. Mention the salient f	eatures of USM.	TRIVANORUM-11
5. Contrast LBM and E		YOL KALAKHIMO
Describe the commo materials.	only used gas mixture in PAM and th	neir corresponding work
7. What are the proper	ties required for dielectric fluid for E	DM?
8. What is the purpose	of vacuum chamber in EBM proces	ss?
9. What is the principle	of WJM ?	
10. Enumerate the appli	cations of ECH process.	(10×4=40 Marks)
	PART-B Module-I	
their properties.	ly used abrasive powder for tooling oneat schematic, explain the operation	5

12. i) Explain the principle of working of wire cut EDM process with a neat sketch.

ii) What are the advantages and disadvantages of EDM process?

OR

15

5

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Module - II

13.	i)	Describe the principle and operation of ECG and ECH.	15
	ii)	Discuss about the process parameters that influences the ECM process.	5
		OR GOOS	
14.	i)	Explain any one method of producing laser.	15
	ii)	Enumerate the advantages, limitations and applications of LBM.	5
		Module – III	
15.	i)	Classify various transducers used in USM setup and list out specific characteristics of each one of them.	5
	ii)	Explain the USM machine setup and discuss various feed mechanisms.	15
		OR	
16.	i)	With a neat schematic, explain the WJM process.	10
	ii)	Explain the process parameters in Water jet machining process.	10

a Describeration from commonly used gas making in PAM and their corresponding Alice

What is arginal to the or harville

numerate line applications of ECH process.