Roll No

ME-8003 (3) (CBGS) B.E. VIII Semester

Examination, May 2019

Choice Based Grading System (CBGS) Advance Machining Process

Time: Three Hours

Maximum Marks: 70

Note: i) Attempt any five questions

ii) All questions carry equal marks.

- a) What are the different Advance Machining Process and what are their advantages?
 - b) Explain the water jet machining process.
- a) What are the recent development in mechanical processes?
 - b) Differentiate the ultrasonic machining and abrasive jet machining.
- a) What are the factors that control surface finish in machining process. How do you select the cutting process parameters for finish turning?
 - b) Explain in detail the Electrochemical Machining Process.
- 4. a) Explain the use of power source and electrolytes in 'ECM'.
 - b) Write short note on Electrochemical deburring.

•	<i>a)</i>	(EDM)?	6
	b)	What are the different thermal metal removal processes Explain any one in detail.	? 8
	a)	Explain the working of Plasma Arc Machining (PAM).	6
	b)	Differentiate the Electron Beam Machining (EBM) an Laser Beam Machining (LBM).	d 8
	a) b)	What are the advantages and disadvantages of	6 of 8
3.	a)	What are the different micro system devices?	6

b) Explain the different Nano Fabrication Processes.