

Vivekananda College of Engineering & Technology,Puttur

[A Unit of Vivekananda Vidyavardhaka Sangha Puttur ®]

Affiliated to VTU, Belagavi & Approved by AICTE New Delhi

CRM08

Rev 1.10

ME

19/05/2021

CONTINUOUS INTERNAL EVALUATION- 1

Dept:ME	Sem / Div:VI A	Sub:NON-TRADITIONAL MACHINING	S Code:18ME641
Date:25/05/2021	Time: 3:00-4:30 PM	Max Marks: 50	Elective:Y

Note: Answer any 2 full questions, choosing one full question from each part.

Q N	Questions	Marks	RBT	COs
PART A				
1	a Explain the need of NTM and give the complete classification of NTM.	10	L2	CO1
	b Explain USM operation with neat sketch.	10	L2	CO2
	c Write a short note on Stand-off-distance in AJM Process.	5	L2	CO2
OR				
2	a List and explain the factors influencing process selection in NTM	10	L2	CO1
	b List out the Process capabilities, Advantages,limitations of AJM.	10	L2	CO2
	c List out the MRR for different materials in USM Process.	5	L2	CO2
PART B				
3	a Differentiate between conventional and non-conventional machining process.	10	L2	CO1
	b Explain layout of AJM with neat sketch.	10	L2	CO2
	c List out the application of AJM.	5	L2	CO2
OR				
4	a Explain any Two types of tool feeding mechanism in USM with neat sketch.	10	L2	CO2
	b Explain (i)Any four applications of non-traditional machining methods. (ii)List out the process parameters in USM and explain any two.	10	L2	CO1,2
	c List out the different types of USM equipment and explain any two.	5	L2	CO2