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Internal Assessment Test 3 – Nov. 2017

Sub:	NON TRADITIONAL MACHINING					Sub Code:	15ME554	Branch:	MECHANICAL
Date:	17/11/2017	Duration:	90 min's	Max Marks:	50	Sem/Sec:	5th Sem A &B		OBE

Answer any FIVE FULL Questions

		MARKS	CO	RBT
1.	Sketch and explain the principle of electron beam machining process.	[10]	CO5	L2
2. (a)	What is LASER? Discuss thermal features of Laser Machining.	[06]	CO5	L4
(b)	State the advantages, disadvantages and applications of EBM.	[04]	CO5	L4
3. (a)	Write a note on different types of lasers used in LBM process.	[06]	CO5	L4
(b)	What are the different components present in the EBM equipment.	[04]	CO5	L4
4.	What are the advantages and applications of laser beam machining?	[10]	CO5	L4
5.	Comment on the parameters influencing MRR in EBM.	[10]	CO5	L4
6.	With a neat sketch, explain the mechanism of metal removal in LBM process.	[10]	CO5	L4

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