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Internal Assessment Test 3 – May. 2018

Sub:	NON TRADITIONAL MACHINING					Sub Code:	15ME665	Branch:	MEC	CHANI	CAL
Date:	23/05/2018	Duration:	90 min's	Max Marks:	50	Sem/Sec:	C	TE		OF	BE
		<u>A</u>	nswer any FI	VE FULL Questi	ons			MA	RKS	СО	RBT
1.	Sketch and exp	plain the pr	inciple of e	lectron beam n	nach	ining proce	SS.	[	10]	CO5	L2
2. (a)	What is LASE	R? Discuss	thermal fea	atures of Laser	Ma	chining.		[	06]	CO5	L4
(b)	State the advan	ntages, disa	dvantages a	and application	ıs of	EBM.		[	04]	CO5	L4
3. (a)	Write a note o	n different	types of lase	ers used in LB	M p	rocess.		[	06]	CO5	L4
(b)	What are the d	lifferent con	mponents p	resent in the E	BM	equipment.		[	04]	CO5	L4
4.	What are the a	dvantages a	and applicat	tions of laser b	eam	machining'	?	[	10]	CO5	L4
5.	Comment on t	he paramet	ers influenc	ing MRR in E	BM.			[	10]	CO5	L4
6.	With a neat sk	etch, explai	n the mech	anism of meta	l ren	noval in LB	M process.	[	10]	CO5	L4

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Internal Assessment Test 3 – May. 2018

Internal Assessment Test 3 – May. 2018											
Sub:	Sub: NON TRADITIONAL MACHINING						15ME554	Brancl	n: MEC	CHANI	CAL
Date:	23/05/2018	Duration:	90 min's	Max Marks:	50	Sem/Sec:	C	OTE		OBE	
		<u>A</u>	nswer any FΓ	VE FULL Questi	ons			N	/IARKS	CO	RBT
1.	Sketch and exp	plain the pri	inciple of el	lectron beam r	nach	ining proces	SS.		[10]	CO5	L2
2. (a)	What is LASE	R? Discuss	thermal fea	atures of Laser	r Ma	chining.			[06]	CO5	L4
(b)	State the advan	ntages, disa	dvantages a	and application	ns of	EBM.			[04]	CO5	L4
3. (a)	Write a note o	n different t	types of lase	ers used in LB	M pı	rocess.			[06]	CO5	L4
(b)	What are the d	lifferent cor	nponents p	resent in the E	BM	equipment.			[04]	CO5	L4
4.	What are the a	dvantages a	and applicat	tions of laser b	eam	machining	?		[10]	CO5	L4
5.	Comment on t	he paramete	ers influenc	ing MRR in E	BM.				[10]	CO5	L4
6.	With a neat sk	etch, explai	n the mech	anism of meta	l rem	noval in LBI	M process.		[10]	CO5	L4