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Code: 5G562  III B.Tech. II Semester Supplementary Examinations Nov/Dec 2023																		
CAD/CAM																		
(Mechanical Engineering) Max. Marks: 70 ********							ne: 3 I	Hours										
	A	Answer five questi	ons b	y ch	oosii	ng or	ne qu	iestic	on fro	m ea	ach u	nit (	5 x	14 =	= 70 i	Marks	)	
										7					N	Marks	CO	BL
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1.	1. a) Briefly explain the conventional process of the product							OM	CO1	DI O								
	cycle in conventional manufacturing environment. b) Write short notes on i) Stroke writing ii) Raster Scan									CO1								
	D)	Wille Short in	oies	OH	1) 3	LION		OR	y II)	ivas	SIGI	306	21 I			JIVI	COT	BLZ
2.		What is mea		•														
		how translati performed si			•					-								
		Concatenation				Лу	OH	a g	ιαρι	110	CICI	11011	t u	10111	•	14M	CO1	BL3
							UN	IIT—	II									220
3	a)	Differentiate modelling me			en	so	lid	mc	deli	ng	an	d	sur	fac	е	7M	CO2	BL2
	b)	With the he	elp (	of	nea	t sl	keto	hes	, d	escr	ibe	the	e r	nos	st			
		commonly us	ed s	solic	d en	titie	S.									7M	CO2	BL3
							(	OR										
4.	a)	What do yo				-			ng	func	ction	?	Exp	olai	in			
		reparameteri	zatio	on c	of a	surf	ace									7M	CO2	BL3
	b)	Why the sw	-	-			atio	ns a	are	use	ful	in c	crea	atin	g			
		solid models	of 2	υo	bjec	cts?				7						/ IVI	CO2	BL3
F	۵)	list and sive	مطلا					IT-I			0.0	-J N /I	ا م	مام				
ე.	a)	List and give functions.	e tne	e m	ean	iing	OI	any	TIVE	<del>)</del> G	and	ועו ג	I CC	oae	S	7M	CO3	DI O
	h)	Explain the p	rincir	വല (	of C	NC	SVS	tem	with	n a h	lock	dia	aars	am			CO3	
	D)	Explain the pi	11101	OIC V	01 0	110	-	OR	vvici	iab	1001	· GIC	gic	AI I I I		/ IVI	CO3	DLZ
6	a)	Write the pro	ററല	Hure	• fo	r \//I			nmn	uter	ลร	sist	ed	na	rt			
0.	u)	programming		Juic	, 10		10111	9 00	Jilip	atoi	uo	Olot	cu	ρu		7M	CO3	BL2
	b)	Discuss any		tyr	oes	of s	state	eme	ents	use	d ir	n Al	PT	ра	rt		·	· — <b>—</b>
	,	programming		<i>,</i> 1										•		7M	CO3	BL3

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		UNIT-IV									
7.	a)	What are the main objectives of MRP (Manufacturing									
		Resource Planning)? Explain them briefly.	7M	CO4	BL3						
	b)	Write a short note on Retrieval type and Generative type									
		of CAPP.	7M	CO4	BL2						
OR											
8.	a)	Discuss how part classification is done in the context of									
		GT. What are the essential attributes such a coding									
		system should take care of?	7M	CO4	BL2						
	b)	Elaborate briefly the MICLASS system of codification.	7M	CO4	BL2						
		UNIT-V									
9.		Describe any two methods of non-contact type of									
		computer aided testing.	14M	CO5	BL3						
OR											
10.	a)	Mention the objectives of CAQC. Explain the different									
		computer aided inspection methods.	7M	CO5	BL2						
	b)	Summarize the enterprise resource planning and									
		capacity requirements planning?	7M	CO5	BL3						
*** End ***											