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N	MOID	A INSTITUTE OF ENGINEERING AND TECHNOLOGY, GREATER NOIDA			
		(An Autonomous Institute Affiliated to AKTU, Lucknow)			
		B. Tech SEM: VI - THEORY EXAMINATION (20 20)			
		Subject: Product Lifecycle Management			
Tim	e: 3 H	· ·	00		
Gener	al Ins	structions:			
		y that you have received the question paper with the correct course, code, branch etc.			
	_	estion paper comprises of three Sections -A, B, & C. It consists of Multiple Choice			
		(MCQ's) & Subjective type questions.			
		n marks for each question are indicated on right -hand side of each question. your answers with neat sketches wherever necessary.			
		suitable data if necessary.			
		ly, write the answers in sequential order.			
`		should be left blank. Any written material after a blank sheet will not be			
evalu	ated/c	hecked.			
SECT	TION-	<u>-A</u>	20		
1. Att	empt a	all parts:-			
1-a. The term that is used for geometric modelling like solid modelling, wire fram modelling and drafting is known as(CO1,K1)					
	(a)	software package			
	(b)	operating system			
	(c)	application software			
	(d)	none of the mentioned			
1-b. The kind		The kind of channel arrangement in which the retailers, wholesalers and producers ct as a single system is classified as(CO1,K2)	1		
	(a)	conventional distribution channel			
	(b)	horizontal marketing system			
	(c)	vertical marketing system			
	(d)	static distribution channel			
1-c.		n a prototype model, working of a system built until an acceptable prototype s achieved.(CO1,K1)	1		
	(a)	System			
	(b)	Prototype			
	(c)	Engineering			
	(d)	None of the mentioned above			
1-d.	If	f the user is not happy with the current prototype, it needs to the	1		

	pı	rototype.(CO2,K1)	
	(a)	Redefine	
	(b)	Define	
	(c)	Design	
	(d)	None of the mentioned above	
1-e.	Prototyping is an attractive idea for and large systems. (CO3,K1)		1
	(a)	Complicated	
	(b)	Simple	
	(c)	Developed	
	(d)	All of the mentioned above	
1-f.	tl	he testing have been stopped When(CO3,K1)	1
	(a)	the faults have been fixed	
	(b)	all the tests run	
	(c)	the time completed	
	(d)	the risk are resolved	
1-g.	Which process helps develop an accurate projection of a project's financial expenses and benefits? (CO4,K2)		1
	(a)	fast tracking	
	(b)	life cycle costing	
	(c)	critical path analysis	
	(d)	All the above	
1-h.		Thich of the following type of histogram represents a normal distribution? CO4,K1)	1
	(a)	Comb	
	(b)	Bell-shaped	
	(c)	Skewed	
	(d)	Plateau	
1-i.		That process involves deciding how to approach and plan the risk management ctivities for the project? (CO5,K2)	1
	(a)	identifying risks	
	(b)	planning risk management	
	(c)	performing qualitative risk analysis	
	(d)	performing quantitative risk analysis	
1-j.		Thich of the following risks are derived from the software or hardware schnologies that are used to develop the system? (CO5,K2)	1
	(a)	Managerial risks	
	(b)	Estimation risks	
	(c)	Technology risks	

Organizational risks (d) 2. Attempt all parts:-2 2.a. What do you mean by 'Part' in PTC Windchill? (CO1,K1) 2.b. what is digital manufacturing.(CO2,K1) 2 What are the three 3 levels of strategy? (CO3,K2) 2 2.c. 2 2.d. Define Quality management system. (CO4,K1) Define Organizational risk. (CO5,K1) 2 2.e. 30 **SECTION-B** 3. Answer any five of the following:-3-a. Why are product lifecycles important. (CO1,K1) 6 3-b. Explain PLM Life cycle Model.(CO1,K1) 6 3-c. What is the main risk of product development? (CO2,K2) 6 3-d. How PLM helps in digitalization of an industry? (CO2,K2) 6 3.e. Write down the procedure to create a workflow template. (CO3,K2) 6 3.f. Explain Six Sigma Problem Solving Method? (CO4,K2) 6 What is Windchill Risk and Reliability? (CO5,K2) 3.g. 6 **SECTION-C** 50 4. Answer any one of the following:-4-a. Explain Design Development Stages. (CO1,K2) 10 4-b. What is Validation of PLM. Explain Advantage and Disadvantage of PLM. 10 (CO1,K2)5. Answer any one of the following:-5-a. Write a short note on: 10 (i) Windchill part management. (ii) Windchill parts link. (CO2,K2) 5-b. Explain the futures of RP software and summarize about solid view, view expert, 10 3D view and STL view in detail.(CO2,K3) 6. Answer any one of the following:-6-a. Define PLM Strategy? Explain selection and Implementation of 10 strategy.(CO3,K2) 6-b. What is Supply Chain Management? What are 4 pillars of supply chain? 10 (CO3,K2)7. Answer any one of the following:-7-a. What is a quality management system? Explain with an example.(CO4,K2) 10 7-b. Write the steps of making an organization in windchill.(CO4,K2) 10 8. Answer any one of the following:-8-a. Explain the use of sample mean and sample standard deviation for risk 10

measurement.(CO5,K2)

8-b. Explain the technique of 'Risk Measurement, 'Risk Evaluation' and 'Risk Prediction' for natural disasters (CO5,K2)

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