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	NOIDA INSTITUTE OF ENGINEERING AND TECHNOLOGY, GREATER NOIDA					
		(An Autonomous Institute Affiliated to AKTU, Lucknow) MCA (Integrated)				
		SEM: II - THEORY EXAMINATION (2023 - 2024)				
		Subject: Design Thinking-I				
	e: 3 H	ours Max. Marks: 100 tructions:				
		that you have received the question paper with the correct course, code, branch etc.				
		tion paper comprises of three Sections -A, B, & C. It consists of Multiple Choice Questions				
		Subjective type questions.				
		marks for each question are indicated on right -hand side of each question.				
	•	your answers with neat sketches wherever necessary. uitable data if necessary.				
		y, write the answers in sequential order.				
6. No s	heet s	hould be left blank. Any written material after a blank sheet will not be evaluated/checked.				
SECT	ION-	A 20				
	-	ll parts:-				
1-a.		Vhat is the main goal of design thinking? (CO1) 1				
	(a)	To maximize profits				
	(b)	To create innovative solutions for complex problems				
	(c)	To reduce product development time				
1 L	(d)	To increase customer satisfaction.				
1-b.		The final step in the Design Process is to (CO1)				
	(a)	Test				
	(b)	Define Ideate				
	(c) (d)	Empathize				
1-c.	. ,	Which is NOT an aspect of the Empathy step? (CO2) 1				
1 0.	(a)	Evaluate: prioritise evidence that supports a chosen problem				
	(u) (b)	Engage: Interact and interview users in real-life context				
	(c)	Observe: View users in the context of their lives				
	(d)	Immerse: experience what the user experiences				
1-d.	. ,	t is always important to yourself, others and the place where you work. (CO2)				
	(a)	Appearance				
	(b)	Cooperate				
	(c)	Communication				
	(d)	Respect				
1-e.	. ,	Vhich of the following is one of the most widely used methods in cross-cultural research?				
		CO3)				

- Experiments (a)
- Surveys (b)

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	(c)	Observation		
	(d)	Case studies		
1-f.	V	Which is 13 musical notes (CO3)		
	(a)	Learn forces of Growth		
	(b)	Learn Frictional forces		
	(c)	All of the above		
	(d)	Learn Capacity Levers		
1-g.	V	When you encounter information, what should be kept in mind? (CO4)	1	
	(a)	Is it current?		
	(b)	Is it complete?		
	(c)	Is it accurate?		
	(d)	All of the above		
1 - h.	V	Which of the following does not correspond to characteristics of research? (CO4)	1	
	(a)	Research is not passive		
	(b)	Research is systematic		
	(c)	Research is not a problem-oriented		
	(d)	Research is not a process		
1-i.	A	deductively valid argument cannot have (CO5)	1	
	(a)	True premises and a false conclusion		
	(b)	False premises and a true conclusion		
	(c)	True premises and a true conclusion		
	(d)	False premises and a false conclusion		
1-j.	F	allacies can be psychologically persuasive even though they are (CO5)	1	
	(a)	Psychologically impotent		
	(b)	Logically flawed		
	(c)	Deductively valid		
	(d)	Inductively valid		
	-	ll parts:-	_	
2.a.		Give examples of 2 good design around you. Explain what made them a good design (CO1)	2	
2.b.		low creativity can be fostered by culture in an organization? (CO2)	2	
2.c.	V	What are five frictional forces that drive design? (CO3)	2	
2.d.	E	explain arguments with the help of suitable example. (CO4)	2	
2.e.	V	Vhat is the genetic fallacy (CO5)	2	
SECI	ION-I	B	30	
3. Ans	swer ar	ny <u>five</u> of the following:-		
3-a.		Who benefits from the Design Thinking and how? What kinds of problems can it be applied owards? (CO1)	6	
3-b.	H	low design thinking is different from traditional thinking? (CO1)	6	
3-c.	Ľ	Define different perspectives of ethical behaviour. (CO2)	6	
3-d.	E	explain the term stakeholder with their role in organization. (CO2)	б	
3.e.	V	What is 5 Why tool? How it helps in root cause finding.(CO3)	6	

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What do you understand by cognitive biases explain with example. (CO4)	6
Describe Zero-risk Bias. (CO5)	6
N-C	50
any <u>one</u> of the following:-	
What are key elements of design thinking? Explain LDO. (CO1)	10
What do you understand with root cause analysis? Which tools helps in root cause analysis? (CO1)	10
any <u>one</u> of the following:-	
What do you understand with Sketching? How it is different from Prototyping? (CO2)	10
Describe the human being as co-existence of self and body depicting need, activitiy and response. (CO2)	10
any <u>one</u> of the following:-	
Describe the brainstorming with its benefits. (CO3)	10
In CATWOE Analysis C stands for customer? What is it explain. (CO3)	10
any <u>one</u> of the following:-	
Define the role of probability and judgment in critical thinking with appropriate example.(CO4)	10
Contrast between argumentation versus rhetoric. (CO4)	10
any <u>one</u> of the following:-	
What do you mean by Bandwagon Effect and Choice-supportive Bias? (CO5)	10
What do do understand by biases? Explain anchoring bias and availability bias (CO5)	10
	Describe Zero-risk Bias. (CO5) N-C any <u>one</u> of the following:- What are key elements of design thinking? Explain LDO. (CO1) What do you understand with root cause analysis? Which tools helps in root cause analysis? (CO1) any <u>one</u> of the following:- What do you understand with Sketching? How it is different from Prototyping? (CO2) Describe the human being as co-existence of self and body depicting need, activity and response. (CO2) any <u>one</u> of the following:- Describe the brainstorming with its benefits. (CO3) In CATWOE Analysis C stands for customer? What is it explain. (CO3) any <u>one</u> of the following:- Define the role of probability and judgment in critical thinking with appropriate example.(CO4) Contrast between argumentation versus rhetoric. (CO4) any <u>one</u> of the following:- What do you mean by Bandwagon Effect and Choice-supportive Bias? (CO5) What do understand by biases? Explain anchoring bias and availability bias (CO5)

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