Printed Page:-03	Subject Code:- BCSE0203 Roll. No:			
	Ron. No.			
NOIDA INSTITUTE OF ENGIN	NEERING AND TECHNOLOGY, GREATER NOIDA			
	Institute Affiliated to AKTU, Lucknow)			
,	B.Tech			
	CORY EXAMINATION - (2023 - 2024)			
	bject: Design Thinking-I			
Time: 2 Hours General Instructions:	Max. Marks: 50			
	he question paper with the correct course, code, branch etc.			
**	three Sections -A, B, & C. It consists of Multiple Choice			
Questions (MCQ's) & Subjective type	• • •			
·	are indicated on right -hand side of each question.			
3. Illustrate your answers with neat s	ketches wherever necessary.			
4. Assume suitable data if necessary. 5. Proforably write the groupers in an	an antial and an			
5. Preferably, write the answers in sequential order. 6. No short should be left blank. Any written material after a blank short will not be				
6. No sheet should be left blank. Any written material after a blank sheet will not be evaluated/checked.				
SECTION-A	15			
1. Attempt all parts:-				
1 1	stening to each other without biases and judgement.			
(CO1)				
(a) Observation				
(b) Dialogue				
(c) Debate				
(d) Hearing				
1-b. Self exploration uses two n	nechanism, natural acceptance and (CO2)			
(a) Reason				
(b) Experimental Validation	n			
(c) Logical thinking				
(d) Theoretical concepts				
1-c. A good problem statement	should have the following traits: (CO3)			
(a) Human-centered				
(b) Broad enough for creati	ve freedom			
(c) Narrow enough to make	e it manageable			
(d) All of the above				
1-d. People tend to divide thems to their own group. Which	selves into groups, and then attribute positive attributes bias does this refer? (CO4)			
(a) Ingroup Preference Bias				

	(b)	Confirmation Bias	
	(c)	Anchoring Bias	
	(d)	Choice-supportive Bias	
1-e.		An argument intended to provide logically conclusive support for its conclusion is: (CO5)	
	(a)	Inductive	
	(b)	Valid	
	(c)	Deductive	
	(d)	Sound	
2. Att	empt a	ıll parts:-	
2.a.	W	That are stated and unstated needs? (CO1)	2
2.b.	W	That do you understand by prosperity?(CO2)	2
2.c.	W	That are the traits of good problem statement? (CO3)	2
2.d.	W	That are the five pillars of critical thinking?(CO4)	2
2.e.	W	That is a premise and conclusion? (CO5)	2
SEC.	ΓΙΟΝ-	${f B}$	15
3. An	swer a	ny <u>three</u> of the following:-	
3-a.		That is a wicked problem? Why are they difficult to solve? State their naracteristics. (CO1)	5
3-b.	D	Describe the empathy map and its application.(CO2)	
3.c.		Apply the HMW on Question as assumption: HMW entirely remove the wait time at the airport? (CO3)	
3.d.	I11	ustrate tribalism. Analyze with the example related to it. (CO4)	5
3.e.		That do you understand by the term logical fallacy and describe how to avoid gical fallacies using deductive reasoning. (CO5)	5
SEC:	ΓΙΟΝ-	\mathbf{c}	20
4. An	swer a	ny <u>one</u> of the following:-	
4-a.		That are 3 laws of Design Thinking? Apply them to suggest an idea to make a Job arch Portal. (CO1)	4
4-b.	W	That are five frictional forces that drive design? (CO1)	4
5. An	swer a	ny <u>one</u> of the following:-	
5-a.	G	ive an illustration of CATWOE analysis. (CO2)	4
5-b.		That do you understand with Journey mapping? Create a Journey map of a RCTC application user. (CO2)	4
6. An	swer a	ny <u>one</u> of the following:-	
6-a.		That do you understand with Define Stage of Design Thinking? Explain 5 Whys ol with two examples. (CO3)	4
6-b.	W	That do you understand with 6 Thinking Hats? Apply 6 thinking hats to solve the	4

following problem: Customers at a pizzeria are complaining as the waiting time to get their pizzas has become longer. (CO3)

- 7. Answer any one of the following:-
- 7-a. How can you become a better critical thinker? (CO4)
- 7-b. Elaborate Recency Effect and Zero-risk Bias with example. (CO4)
- 8. Answer any one of the following:-
- 8-a. Differentiate between deductive argument and an inductive argument. If a beverage is "drinkable through a straw" explain it in deductive and inductive way of argument. (CO5)
- 8-b. What do you understand by logical fallacies? Enlist any five logical fallacies. 4 (CO5)