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NOIDA INSTITUTE OF ENGINEERING AND TECHNOLOGY, GREATER NOIDA**(An Autonomous Institute Affiliated to AKTU, Lucknow)****B.Tech****SEM: I - THEORY EXAMINATION (2024- 2025)****Subject: Design Thinking-I****Time: 2 Hours****Max. Marks: 50****General Instructions:****IMP:** Verify that you have received the question paper with the correct course, code, branch etc.**1.** This Question paper comprises of **three Sections -A, B, & C**. It consists of Multiple Choice Questions (MCQ's) & Subjective type questions.**2.** Maximum marks for each question are indicated on right -hand side of each question.**3.** Illustrate your answers with neat sketches wherever necessary.**4.** Assume suitable data if necessary.**5.** Preferably, write the answers in sequential order.**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-a. A test for _____ focuses on whether your solution is a nice to have or a must have for your customer. (CO1) 1
- (a) desirability
- (b) Feasibility
- (c) Viability
- (d) None of the above
- 1-b. The process of moulding and shaping the personality of a human infant is called . (CO2) 1
- (a) Socialization
- (b) Individualization
- (c) Cartel
- (d) Value addition
- 1-c. User Journey Map helps you to. (CO3) 1
- (a) Understand the touch points and pain points of the user
- (b) Iterate, iterate, iterate
- (c) Identify the users' credibility, expertise and skills
- (d) Testing the solution
- 1-d. Which does not comes under five pillars of critical thinking. (CO4) 1
- (a) logic

(b)	argumentation	
(c)	rhetoric	
(d)	Inference	
1-e.	Evolution is wrong because my grandfather was not a monkey. Which fallacy example does this refer? (CO5)	1
(a)	Post hoc	
(b)	False analogy	
(c)	False dilemma	
(d)	Straw man	
2.	Attempt all parts:-	
2.a.	What are the characteristics of good design mind? (CO1)	2
2.b.	Discuss the justice view of ethical behaviour.(CO2)	2
2.c.	What does Red hat represents? (CO3)	2
2.d.	Define rhetoric and its use. (CO4)	2
2.e.	What is a premise and conclusion? (CO5)	2
SECTION-B		15
3.	Answer any <u>three</u> of the following:-	
3-a.	Illustrate 2 examples of power of observation and how it can help undersanding a problem. Give real time examples. (CO1)	5
3-b.	Discuss the ways to overcome the negative sentiments.(CO2)	5
3.c.	What are three laws of design thinking? (CO3)	5
3.d.	Describe the skills required for critical thinking. (CO4)	5
3.e.	Define argument and differentiate between inductive argument and deductive argument. (CO5)	5
SECTION-C		20
4.	Answer any <u>one</u> of the following:-	
4-a.	Describe the five forces of growth. (CO1)	4
4-b.	Discuss the framework for Creativity and Innovation. (CO1)	4
5.	Answer any <u>one</u> of the following:-	
5-a.	Define the relation between body and self(CO2)	4
5-b.	Explain the concept of CATWOE Analysis. (CO2)	4
6.	Answer any <u>one</u> of the following:-	
6-a.	Expalin POV with the help of template. (CO3)	4
6-b.	Explain the Steps to conduct a “How Might We” exercise. (CO3)	4
7.	Answer any <u>one</u> of the following:-	
7-a.	Describe the characteristics of a well cultivated critical thinker. (CO4)	4
7-b.	Demonstrate tribalism and give any example related to it. How it is handled by	4

critical thinking? (CO4)

8. Answer any one of the following:-

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| 8-a. | What do you understand by logical fallacies and enlist any ten logical fallacies? (CO5) | 4 |
| 8-b. | Demonstrate False dilemma fallacy with example. (CO5) | 4 |

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