Printed Page:-	Subject Code:- AMICSE0503
	Roll. No:
NOIDA INSTITUTE OF ENGINEERING A	AND TECHNOLOGY, GREATER NOIDA
(An Autonomous Institute Af	filiated to AKTU. Lucknow)
M. Tech	(Integrated)
SEM: V - THEORY EXAM	MINATION (2022 - 2023)
Subject: Desig	n Thinking-II
Time: 3 Hours	Max. Marks: 100
General Instructions:	
IMP: Verify that you have received the question paper v	vith the correct course, code, branch etc.
1. This Question paper comprises of three Sections -A	A, B, & C. It consists of Multiple Choice Questions
(MCQ's) & Subjective type questions.	
2. Maximum marks for each question are indicated on ri	•
3. Illustrate your answers with neat sketches wherever n	ecessary.
4. Assume suitable data if necessary.	
5. Preferably, write the answers in sequential order.	
6. No sheet should be left blank. Any written material at	ter a blank sheet will not be evaluated/checked.
SECTION	A 20
1. Attempt all parts:-	
1 Six Key Steps to a Design Thinking Mindset	t involves: (CO1)
(a) Frame a Question	
(b) Gather Inspiration	
(c) Generate Ideas	
(d) All of the above	
1 Design mind is having a mindset.	. (CO1) 1
(a) 3-Dimensional	
(b) 2-Dimensional	
(c) 1-Dimensional	
(d) X-Dimensional	
1 Ideation methods are: (CO2)	1
(a) Braindump	
(b) Provocation	
(c) Storyboard	
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	(d) All of the above	
1	T in SWOT refers to (CO2)	1
	(a) Tiny	
	(b) Topic	
	(c) Threat	
	(d) None of the above	
1	Alpha and beta testing are type of (CO3)	1
	(a) user acceptance testing	
	(b) sampling methods	
	(c) both (1) and (2)	
	(d) none	
1	If the null hypothesis is false then which of the following is accepted? (CO3)	1
	(a) Null Hypothesis	
	(b) Statistical Hypothesis	
	(c) Alternative Hypothesis	
	(d) Composite Hypothesis	
1	A management technique used for improving the efficiency and performance of the	1
	workgroups through various activities is: (CO4)	
	(a) Team building	
	(b) Organizational dynamics	
	(c) Performance evaluation	
	(d) None of these	
1	In DMAIC, "C" stands for: (CO4)	1
	(a) Control	
	(b) Compare	
	(c) Collect	
	(d) Confirm	
1	When you move information from the hidden self into the open self, you're (CO5)	1
	(a) empowering	
	(b) Self-disclosing.	
	(c) depressed.	

(d) affirming. 1 Which is NOT a reason why people join group? (CO5) 1 (a) Knowledge (b) Status (c) Safety (d) Power 2. Attempt all parts:-2.a. List the Five Stages of Design Thinking. (CO1) 2 2.b. Discuss 10-100-1000 gm law of design thinking. (CO2) 2 2.c. 2 Define Systematic Random Sampling (CO3) 2.d. Enumerate at least four business leaders from different industries who have changed the 2 opinion business. (CO4) 2.e. Explain Myers-Briggs Personality Type Indicator. (CO5) 2 SECTION B 30 3. Answer any five of the following:-3 Discuss Creativity and Innovation. (CO1) 6 3 How does the Aravind Eye Care work. (CO1) 6 3 Explain the tools used for prototyping in design thinking. (CO2) 6 3 Discuss convergent thinking in design thinking. (CO2) 6 Persona mapping is a key element of storytelling. Explain in detail. (CO3) 3.e. 6 3.f. "Innovation comes at a cost." Explain with your reason. (CO4) 6 3.g. Write short note on FIRO-B Test. (CO5) 6 SECTION C 50 4. Answer any one of the following:-4-a. Summarize DBS Singapore and Bank of Americas' Keep the Change Campaign. (CO1) 10 4-b. Elaborate 3 core design principles. (CO1) 10 5. Answer any one of the following:-5 Explain SWOT analysis with suitable example. (CO2) 10 5 How can we apply the concept of the design thinking in a real life. Justify the statement 10 with an example.(CO2) 6. Answer any one of the following:-

6	Describe proactive, reactive and ongoing methods of user feedback. (CO3)	10	
6	Define usability testing? Explain remote and in person testing methods. (CO3)	10	
7. Answer any <u>one</u> of the following:-			
7	Suggest the changes you would like to implement as a leader to bring harmony among the employees of your company. (CO4)	10	
7	Describe the Belbin's model of Team roles. Describe various team roles also. (CO4)	10	
8. Answer any <u>one</u> of the following:-			
8	Design the MBTI chart as per the real problem of your choice. (CO5)	10	
8	Define and link all the 5 dimensions of the human order (CO5)	10	