Printed Pa	age:-	Subject Code:- AMCA0303	
		Roll. No:	
	NOIDA INSTITUTE OF ENGINEERING	<u>AND TECHNOLOGY, GREATI</u> Affiliated to AKTU, Lucknow)	ER NOIDA
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	SEM: III - THEORY EXAMIN	ATION (2021 - 2022) (ONLINE)	
Time: 0	Subject: De 2:00 Hours	sign Thinking	Max. Marks: 100
Time. 0	2.00 Hours		Max. Marks. 100
General I	nstructions:		
1. <i>All</i>	questions are compulsory. It comprises of tw	o Sections A and B.	
• Sec atte	tion A - Question No- 1 has 35 objective type tion B - Question No- 2 has 12 subjective empt any 10 out of 12 question. sheet should be left blank. Any written mater	e type questions carrying 3 mar	cks each. You have to
	SECTIO	<u>N A</u>	$35 \times 2 = 70$
1. Attemp	ot ALL parts:-		
1.1.a	Design Thinking is: (CO1)		1
	(a) Thinking about design		
	(b) Designing ways in which people	e think	
	(c) Asking users to solve problems		
	(d) Defining, framing and solving p	1 1	
1.1.b	What are the steps of Design Thinking Pro-		1
	(a) Understand > Draw > Ideate > C		
	(b) Empathise > Define > Ideate > I	V 1	
	(c) Empathise > Design > Implement		
	(d) Understand > Define > Ideate >	•	
1.1.c	A college is redesigning it website. Curr Which one of the below elements should do		of the website.
	(a) College rules and regulations		
	(b) Information on faculty members	3	
	(c) Information about courses		
	(d) Alumni details		
1.1.d	Design Thinking typically helps in	_	1
	(a) Innovation		
	(b) Data analytics		
	(c) Financial planning		
1 1	(d) Operational efficiency	1	7771 ' 1 ' 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1.1.e	Which of the following well known con solution?	sulting firms are offering Design	n Thinking as a 1
	(a) McKinsey & Co		
	(b) BCG		
	(c) Bain & Co		
	(d) All of above		

(a) PepsiCo has turned Design Thinking into its strategy

1

1.1.f

Which of the below is incorrect?

	(b) GE Heathcare has built a WK scanner for clindren using Design Thinking	
	(c) Google has a 3 step process to bring about new innovations	
	(d) All of the above are correct	
1.1.g	Collecting is an important portion of testing a prototype in the test stage of design thinking.	1
	(a) Pictures	
	(b) Money	
	(c) Feedback	
	(d) Emails	
1.2.a	The third step in the design thinking process is:	1
	(a) Define	
	(b) Ideate	
	(c) Empathise	
	(d) Test	
1.2.b	The fourth step in the design thinking process is:	1
	(a) Ideate	
	(b) Define	
	(c) Prototype	
	(d) Test	
1.2.c	Which is NOT a good interview strategy for the Empathy step?	1
	(a) Encourage the person to talk about experiences.	
	(b) Ask follow-up questions to get more information.	
	(c) Try to uncover needs people may or may not be aware of.	
	(d) Encourage short answers that get right to the point.	
1.2.d	Which is NOT an aspect of the Define step of design thinking?	1
	(a) Create a composite user to give perspective to the solution	
	(b) Develop a Point of View statement to state user's need	
	(c) Define as many possible solutions to the problem as possible	
	(d) Recognise a challenge with a "How Might We" question	
1.2.e	Which is NOT a guideline for the Ideate step?	1
	(a) Consider the practicality of each idea before sharing it.	
	(b) Generate as many ideas as possible.	
	(c) Reference the How Might We question frequently.	
	(d) Don't worry about how good other peoples' ideas are.	
1.2.f	Which is NOT true about the Test step?	1
	(a) It is an opportunity to refine the solution.	
	(b) You should come up with new ideas during the Test step.	
	(c) Only consider positive feedback to get the best result	
	(d) You should assume that your solution can be made better.	
1.2.g	During which step do you explore the ways in which users experience your area of concern?	1
	(a) Prototype	
	(b) Ideate	
	(c) Define	
	(d) Empathise	
1.3.a	You are a person with a high level ofif you stand by your values even if others put pressure on you to do something that is wrong or if they make fun of you. (CO3)	1

	(a) Communication	
	(b) Cooperation	
	(c) Honesty	
	(d) Integrity	
	If you can keep things at work in order and have a neat workplace, then you have great	1
	(a) Loyalty	
	(b) Organizational Skills	
	(c) Productivity	
	(d) Respect	
I	It is always important to yourself, others and the place where you work.	1
	(a) Appearance	
	(b) Cooperate	
	(c) Communicate	
	(d) Respect	
	In the opening case study, Lee and colleagues illustrate the use of which method in cultural research?	1
	(a) surveys	
	(b) experiments	
	(c) ethnographic interviewing	
	(d) observation	
	Oliver is pursuing a study that explores whether sleep affects academic performance. This is an example of:	1
	(a) a hypothesis	
	(b) a qualitative research question	
	(c) a theory	
	(d) a method	
	Thomas is exploring whether gender has an effect on spatial rotational skills. Because he cannot randomly assign his participant, Thomas is pursuing:	1
	(a) an experiment	
	(b) a priming experiment	
	(c) a quasi-experiment	
	(d) a confounding experiment	
Wł	What is an empathy map?	1
	(a) A tool used by pilots to guide their direction.	
	(b) A tool used by psychologists to analyze patients.	
	(c) A tool used by designers to understand customers.	
	(d) A tool used by teachers to support students.	
M	Majority rule has which of the following disadvantages?	1
	(a) it is time consuming to arrive at a majority decision	
	(b) majorities make slow methological decisions	
	(c) a dominance power dynamic can emerge	
	(d) all of the above	
(Consensus decision making means that	1
	(a) every group member's preferred choice will be selected by the group	
	(b) all members agree to the final decision or group choice	
	(c) all legitimate concerns of group members are addressed	

	(d) both b and c	
1.4.c	Breaking down a problem into its constituent parts during team discussion is which of the following steps in the Standard Agenda?	1
	(a) Criteria development	
	(b) Identification of the problem	
	(c) Analyzing the problem	
	(d) Evaluating problem solutions	
1.4.d	Cognitive dissonance occursin which stage of the buyer decision process model?	1
	(a) Need recognition	
	(b) Information search	
	(c) Evaluation of alternatives	
	(d) Post purchase behavior	
1.4.e	A is a good offered either free or at low cost as an incentive to buy a product	1
	(a) patronage reward	
	(b) spiff	
	(c) price pack	
	(d) premium	
1.4.f	Yahoo, Info seek, and Excite are all called	1
	(a) browsers	
	(b) Webcasters	
	(c) search engines	
	(d) software	
1.4.g	What is the definition of critical thinking?	1
	(a) Higher level thinking that aims to solve a problem.	
	(b)	
	Finding faults and weaknesses in other people's arguments.	
	(c) Logically analyzing arguments in a critical way(d) Disciplined thinking and judgment	
1.5.a		1
1.3.a	What percentage of employers say critical-thinking skills are essential in the workplace?	1
	(a) 0.45 (b) 0.55	
	(c) 0.65	
	(d) 0.75	
1.5.b	Critical thinking can help beyond the classroom as in which of the following:	1
1.3.0	(a) how seriously involved you should get with relationships	1
	(b) how to think with imagination	
	(c) how to identify the real problem	
	(d) how seriously involved you should get with relationships and how to identify the r	eal
	problem	Cui
1.5.c	Steps for critical-thinking skill development involve. (CO5)	1
	(a) looking at things differently	
	(b) analyzing information	
	(c) solving problems	
	(d) All of the above	
1.5.d	Tips to keep emotions from affecting your objectivity in decision making include which of the following:	1
	(a) Don't let yourself become engaged in "I'm right, you're wrong" situations.	

(c) Let your emotions guide your decision. (d) Don't deliberate when making a decision as it only prolongs the inevitable How does questioning help us explore, develop, and acquire new knowledge? 1.5.e 1 (a) Questioning helps us gain insight where we may have limited knowledge (b) Questioning challenges us to look at issues from many different angles. (c) Questioning is not a factor in developing new knowledge. (d) Questioning helps us gain insight where we may have limited knowledge and challenges us to look at issues from many different angles. 1.5.f Guidelines for trying to distinguish fact from opinion include which of the following: 1 (a) Listen for everything that is said in a statement (b) Listen for what is not said in a statement (c) Don't bother asking for documentation to support the statement as they probably don't have it with them (d) Follow your intuition regarding those whom you trust. 1.5.g Strategies for creative thinking include 1 (a) Never be afraid to ask any question, even those you think may be silly. (b) Take risks and dream big. (c) Force yourself to do something old in a new way (d) All of the above $10 \times 3 = 30$ SECTION B 2. Answer any TEN of the following:-Give examples of 2 good design around you. Explain what made them a good design and 2.1.a 2 how it helped people or the society. Think of any wicked problem which our country is facing right now. Government of India 2 2.1.bhas appointed you as a consultant to work on this problem. List down the observations, form and refine a problem statement and list down feasible and sustainable idea. 2.2.a 2 Discuss the ways to overcome the negative sentiments. 2.2.bDescribe the importance of ethical behaviour in society. 2 2 2.2.cDescribe the socialization process in detail. Elaborate the role of critical thing in scientific reasoning. Also enlist five components of 2.3.a 2 scientific reasoning. (CO3) 2.3.bDefine argument and differentiate between inductive argument and deductive argument. 2 How to diagram Arguments in Logic, Premise and Conclusion. 2 2.3.c 2.4.a What are Ideation method to spark innovative ideas: (CO4) 2 2 Write short note on following: (1) Logical fallacy (2) Proposition 2.4.b2.5.a The scientific method cannot be identified with any particular set of experimental or 2 observational 2.5.b2 Propositional logic uses symbols to stand for statements and

(b) Let your self-talk or inner voice control the situation.