Printed Page:- 04		Subject Code:- ACSE0203 /ACSEH0203				
		Roll. No:				
İ	NOIDA INSTITUTE OF ENGINEERING AND TECHNOLOGY, GREATER NOIDA					
	(An Autonomous Institute Affiliated to AKTU, Lucknow)					
	B.Tech					
	SEM: II CARRY OVER THEORY EXAMINATION - AUGUST 2023					
	Subject: Desig	_				
Time: 3		Max. Marks: 100				
	Instructions:					
-		per with the correct course, code, branch etc.				
	• • • • •	ions -A, B, & C. It consists of Multiple Choice				
Questions (MCQ's) & Subjective type questions.						
<ol> <li>Maximum marks for each question are indicated on right -hand side of each question.</li> <li>Illustrate your answers with neat sketches wherever necessary.</li> </ol>						
	e suitable data if necessary.	ver necessary.				
	ably, write the answers in sequential order					
•	· ·	n material after a blank sheet will not be				
	d/checked.					
	SECTION	1 A 20				
1. Attem	pt all parts:-	<b>3</b>				
1-a.	Design Thinking is: (CO1)	1				
	(a) Thinking about design					
	(b) Designing ways in which peo	pple think				
	(c) Asking users to solve probler					
		g problems from users' perspectives				
1-b.	The Empathize phase deals with: (CO1)					
1 0.		s till they are no more bugs in them				
	·	mers and understand the situation from their				
	perspective	mers and understand the situation from their				
	(c) Interviewing people to get t	heir opinions, feedback and shortcomings of				
	your current product/service					
	(d) Prototype a concept and chec	ck if it stands the test of the market				
1-c.	Design thinking proces starts with	(CO2) 1				
	(a) Feel					
	(-,,					

	(b) Ideate
	(c) Emapthy
	(d) Communicate
1-d.	Affinity clusters are related to(CO2)
	(a) Ideation
	(b) Evaluation
	(c) Analysis
	(d) Prototyping
1-e.	Creating Personas will help you to: (CO3)
	(a) Understand your users' needs, experiences, behaviours and goals.
	(b) Help you step out of yourself.
	(c) Help you to recognise that different people have different needs and
	expectations.
	(d) All of the above
1-f.	Characteristics required for successful ideation are: (CO3)
	(a) Adapting
	(b) Connecting
	(c) Disrupting
	(d) All of the above
1-g.	Critical thinking concerns with: (CO4)
	(a) Determining the cause of our beliefs
	(b) Pinpointing the psychological basis of our beliefs
	(c) Determining the quality of our beliefs
	(d) Assessing the practical impact of our beliefs
1-h.	The process of reasoning from a premise or premises to a conclusion based on
	those premises is known as: (CO4)
	(a) Extended reasoning
	(b) Subordinate premise
	(c) Dialectic
	(d) Inference
1-i.	An inductive argument that succeeds in providing probable, but not conclusive, logical support for its conclusion is said to be [CO5]
	(a) Inductive
	• *

1-j.	Words that frequently accompany arguments and signal that a premise or conclusion is present is called [CO5]	1	
	(a) Inference words		
	(b) Premise indicators		
	(c) Indicator words		
	(d) Equivalent words		
2. Attem	pt all parts:-		
2.a.	Explain the wicked Problems. (CO1)	2	
2.b.	Elaborate the role of education in human life. (CO2)		
2.c.	Discuss the role of ideation in problem solving. (CO3)	2	
2.d.	List the characteristics of well cultivated thinker. (CO4)	2	
2.e.	Differentiate between valid and invalid arguments. (CO5)	2	
	SECTION B	30	
3. Answe	er any <u>five</u> of the following:-		
3-a.	Differentiate between Listening and Hearing. Give examples. (CO1)	6	
3-b.	Discuss the framework for Creativity and Innovation. (CO1)	6	
3-c.	Enumerate significant characteristics of socialiation. (CO2)	6	
3-d.	Define different perspectives of ethical behaviour.(CO2)	6	
3.e.	Descibe Bingo Selection and Idea Affinity Maps.(CO3)	6	
3.f.	Elaborate Analogies and provocation. (CO4)	6	
3.g.	Explain with diagram the "Components of Scientific Reasoning". (CO5)	6	
	SECTION C	50	
4. Answe	er any <u>one</u> of the following:-		
4-a.	Discuss in detail key elements of the design thinking process. Also draw a neat and clean diagram. (CO1)	10	
4-b.	Describe 13 musical notes of Design mindset. How do they impact our thinking? (CO1)	10	
5. Answe	er any <u>one</u> of the following:-		
5-a.	Describe the culture in the startups in line with changing trends to earn livelihood.(CO2)	10	

(b) Cogent

(c) Weak

(d) Strong

Describe the empathy map and its application.(CO2)	10
er any <u>one</u> of the following:-	
Differentiate between Sketch and Prototype. (CO3)	
Create a journey map for a rural student taken admission into your college. (CO3)	10
er any <u>one</u> of the following:-	
Explain various cognitive bias in critical thinking. (CO4)	10
Describe the features of critical thinking. Discuss it's significance in obtaining the solution of problems. (CO4)	10
er any <u>one</u> of the following:-	
Define propositional logic and identify the role that logic plays in critical thinking with example. (CO5)	10
Discuss the role of probability and judgment in critical thinking with appropriate example. (CO5)	10
•	Differentiate between Sketch and Prototype. (CO3)  Create a journey map for a rural student taken admission into your college. (CO3)  er any one of the following:-  Explain various cognitive bias in critical thinking. (CO4)  Describe the features of critical thinking. Discuss it's significance in obtaining the solution of problems. (CO4)  er any one of the following:-  Define propositional logic and identify the role that logic plays in critical thinking with example. (CO5)  Discuss the role of probability and judgment in critical thinking with