Sem: 2nd	Course: Design thinking	Course Code: AECC27
CIE: Test 1	Term: 10.06.2023 – 09.09.2023	Sec: A,B,C,D,E,F,G,H,I,J,K,L
Max Marks: 30	Duration: 1Hr	Time: 12.30 to 01.30 PM
Credit: 2:0:0	Test Portions: LP-01 to 09	Date: 12.07.2023

Instructions to students: Answer any two full questions out of the three given questions.

Sl#	Question	Marks	Bloom's Level	COs
1a	Frame Explorative, Reflective, and Probing questions to interview the target group of working mothers towards use of baby monitors for their infants.	6	L3	CO2
1b	Define and explain the following mindset: (i) Being mindful of the process, (ii) Having the culture of prototyping	6	L1	CO1
1c	"Empathy interviews with end users were crucial to the students' ability to solve a school problem or improve a school experience." Illustrate this statement with any example that you can think of.	3	L2	CO2
2a	Assume that you are representing an NGO that helps farmers with biogas production. How will you incorporate *human centered*, and *show don't tell* mindset during the design thinking process?	6	L3	CO1
2b	What is empathy map and where is it used? Draw and explain the template of an empathy map.	6	L1	CO2
2c	What is creative courage?	3	L1	CO1
3a	Define needs, and insights, and give the structure of an actionable problem statement.	6	L1	CO2
3b	Why and how can design thinking skill be developed in STEM education?	6	L2	CO1
3c	The most common cause of pacemaker failure occurs when a stimulus is expected to result in activation and fails to do so because of insufficient stimulus energy, lead dislodgement, or stimulus occurring during refractory period. Write one problem statement based on the above observation, and change it into a 'How Might We' question.	3	L3	CO2