Reg. No. :

Question Paper Code: U3F05

B.E./B.Tech. DEGREE EXAMINATION, NOV 2024

Third Semester

Computer science and Design

21UCD305- DESIGN THINKING

(Regulations 2021)

Duration: Three hours   Maximum: 100 Marks

Answer All Questions

PART A - (10x 2 = 20 Marks)

1.	How can we effectively use the visualization tool in design thinking process?	CO1- U
2.	What are the values of a design thinking process?	CO1- U
3.	What is empathy and why is it so important?	CO1- U
4.	What makes a good problem statement?	CO1- U
5.	What is a prototype?	CO1- U
6.	List out the uses of prototypes.	CO1- U
7.	Define a design process.	CO1- U
8.	Write a note on the roles of a usability engineer.	CO1- U
9.	Expand the term: CAPTCHA and write its uses.	CO2- App
10.	Mention the uses of audio menus.	CO2- App

PART – B (5 x 16= 80Marks)

11.	(a)	Write notes on Maslow's hierarchy of needs in detail.	CO1-U	(16)
		Or		
	(b)	Explain the tools used for 'what is' and 'what works' questions.	CO1-U	(16)
12.	(a)	Explain the key empathy building methods in detail.	CO1-U	(16)
		Or		
	(b)	Write notes on the define stage in detail.	CO1-U	(16)

13. (a) Explain the prototyping phase in detail. CO1-U (16)

Or

(b) Give a brief explanation of the Eight Golden Rules of Interface Design. State an example you have seen on a device, computer interface, or web site that violates those rules. CO1-U (16)

14. (a) Describe the concepts of design frameworks CO1-U (16)

Or

(b) Describe the design methods used in design process. CO1-U (16)

15. (a) Explain the three principles used for direct manipulation CO1- U (16)

Or

(b) Write notes on 2D and 3D interfaces. CO1- U (16)

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