			MINATION, JUNE 2023 emester				
			SIGN THINKING cademic year 2018-2019 to 2021-202	2)			
Note: (i) (ii)	Part - A should be answered in OMR sover to hall invigilator at the end of 40th Part - B & Part - C should be answered	minute) ,	et shoul	d be	han	ded
Time: 3 l	nours			Max. I	Marl	ks: 1	00
	PART – A (20 × 1 :	= 20 N	Marks)	Marks	BL	со	PO
	Answer ALL Q	uestic	ons				_
1.	Design thinking is not			1	1	1	2
	(A) Human – centric(C) Linear	\ /	Iterative A problem solving technique				
							2
2.	Design thinking does not involve			1	1	1	2
	(A) Analysis	` '	Synthesis				
	(C) Divergent thinking	(D)	Parallel processing				
				1	2	1	3
3.	The stages of design thinking are	(D)	Engething ideate define		_	•	
	(A) Define, empathize, ideate,	(B)		,			
	prototype, test	(D)	produce, test Empathize, define, ideate				
	(C) Empathize, define, ideate, prototype, test	(D)	produce, test	, .			
				1	2	1	2
4.	Empathize is towith the us			1	2	1	
	(A) Sympathize	\ /	Walk in the shoes of				
	(C) Talk	(D)	Help				
-	T' 1.1 11 4			1	2	2	3
5.	Find the odd one out	(D)	Door				
	(A) Says	` /	Does				
	(C) Thinks	(D)	Creates				
6.	is a collaborative visualization to articulate what we know about					2	3
0.	a particular user.						
	(A) Scamper	(B)	Empathy map				
	(C) Six thinking hats		Divergent thinking				
	(0)	()					
7.	Find the odd one out.		*	1	4	2	3
	(A) What	(B)	Who				
	(C) When	(D)	Where				
		14		t l	4	2	4
8.			with experts to learn more abou	ι *		_	
	the areas of concern of the user happ		Define				
	(A) Prototype	, ,	Define				
	(C) Empathize	(D)	Ideate	00714	103.//D	****	¥

03JA4-18MBH262J

Reg. No.

Page 1 of 3

2).			12				
9.	Find the odd one out			1	2	3	4
	(A) Mind mapping	(B)	Empathy map				
	(C) Brainstorm	(D)	Scamper				
10.	Ideate stage involves			1	2	3	4
	(A) Idea generation	(B)	Process specification				
	(C) System modelling	(D)	Problem analysis				
,							
11.	The step that follows define stage of	desig	n thinking is	1	2	3	2
	(A) Empathize	_	Ideate				
	(C) Prototype	` '.	Test				
		` /					
12.	The step that precedes prototype is			1	2	3	2
	(A) Empathize	(B)	Ideate				
	(C) Prototype	· · ·	Define				
		(2)	2 4 4				
13.	In thestage, a model of your	soluti	on is created	1	1	4	2
	(A) Prototype		Define .				
	(C) Ideate	` /	Test				
	(c) Ideate	(D)	Test		200		
14	Users being able to try out solutions f	or the	emselves hannons in stage	1	1	4	2
11.	(A) Define		Prototype stage.		_		_
	(C) Ideate	• •	. • •				
	(C) Ideale	(D)	Test				
15.	ic an experimental phase w	hara	von are twing out colutions von	1	1	4	3
15.	is an experimental phase w	Here	you are trying out solutions you	1	•	'	,
	previously brainstormed.	(D)	T4				
	(A) Prototype	` '	Test				
	(C) Define	(D)	Ideate				
16	After you ideate the next stem is to			1	1	4	2
10.	After you ideate, the next step is to	(D)	Destations		1	7	۷
	(A) Define		Prototype				
28	(C) Empathize	(D)	Test				
17	Cantinua italia ita italia ita italia ita italia ita ita ita ita ita ita ita ita ita i	4		1	2	5	3
1/.	Continuous iterations happen in	_stag		, i	2	3	3
	(A) Prototype	` '	Define				
	(C) Empathize	(D)	Test				
18.	18. Gaining feedback from users on how the solution meets their needs is in 1 3 5						3
	stage.						
	(A) Prototype	(B)	Test				
	(C) Empathize	` '	Ideate				
10		` ,					
19.		ant po	ortion of testing a prototype in the	1	4	5	4
	test stage of design thinking.	~~ \					
	(A) Pictures	` '	Money				
	(C) Feedback	(D)	Emails				
20.	In the test stage of design thinking, ye	ou		1	4	5	2
	(A) Conduct a written test		Allow consumers to test a				
	C-y Community to The Control of the		product				-
	(C) Engage in internal testing with	(D)	Test the products designed by				
	employees	(D)	competitors				
	omproy ous		Compounts				
			¥		- 14		

8	PART – B ($5 \times 4 = 20$ Marks) Answer ANY FIVE Questions	Marks	BL	со	PO
21.	Design thinking is non-linear". Comment.		3	1	1
22.	What is an empathy map? Draw and explain its quadrants.		2	2	1
23.	Explain briefly how "5 whys" helps in problem definition of design thinking.	4	1	2	2
24.	Discuss the three rules of prioritizing the problems.	4	1	3	2
25.	Design thinking is human centric in its approach. Justify.		5	3	2
26.	Explain briefly how prototyping helps in design thinking to solve user's problems.	4	4	4	3
27.	Briefly state the rules of brainstorming.	4	2	5	4
	$PART - C (5 \times 12 = 60 Marks)$				
28. a.	Answer ALL Questions Discuss how design thinking has helped solve real world problems with suitable examples.	Marks 12	BL 1	1	PO 1
h	(OR) Explain the different stages of design thinking.	12	2	1	2
29. a.	Explain the define stage of design thinking and discuss its significance.	12	2	2	3
b.	(OR) Explain the various tools that help in problem definition of design thinking.	12	3	2	3
30. a.	Discuss how brainstorming, brainwriting, gamesstorming and mindmapping helps in ideation stage of design thinking.	12	3	3	3
×	(OR)	27			
b.	Explain SCAMPER technique of ideation used in design thinking.	12	3	3	3
31. a.	Discuss the need and importance of prototyping in design thinking.	12	4	4	4
b.	(OR) Elaborate on the steps involved in prototyping.	12	2	4	4
32. a.	Discuss the need and importance of testing in design thinking.	12	4	5	4
b.	(OR) Bring out the guidelines for conducting testing in design, thinking.	12	3	5	3

* * * * *