

BIDTK158/BIDTK258/22BD16

Question Paper Version: D

First/Second Semester B.E./B.Tech./B.Des. Degree Examination,Dec.2023/Jan.2024 Innovation and Design Thinking

Time: 1 hrs.]

[Max. Marks: 50

INSTRUCTIONS TO THE CANDIDATES

- 1. Answer all the fifty questions, each question carries one mark.
- 2. Use only Black ball point pen for writing / darkening the circles.
- 3. For each question, after selecting your answer, darken the appropriate circle corresponding to the same question number on the OMR sheet.
- 4. Darkening two circles for the same question makes the answer invalid.
- Damaging/overwriting, using whiteners on the OMR sheets are strictly prohibited.
- 1. Which process is a quick and inexpensive learning test to collect market driven data?
 - a) Learning launches

b) Prototyping

c) Customer co-creation

- d) None of these
- 2. What is an example of a method for conducting user research?
 - a) Surveys

b) Usability testing

c) Design sprints

- d) All of these
- 3. What is the process of collecting and analyzing data on how users interact with a design in real time called?
 - a) Real Time design interaction capture
 - b) Real Time design analysis
 - c) Real Time design interaction analysis
 - d) Real Time design interaction capture and analysis
- 4. What is the main goal of enabling efficient collaboration in digital space?
 - a) To create a digital environment where team members can easily share ideas, provide feedback and work together on projects in real time.
 - b) To develop a project management software for team members
 - c) To train team members on how to use design collaboration software
 - d) To implement video conferencing tools for remote team members
- 5. What is the purpose of user testing?
 - a) To gather feedback and identify areas for improvement in a product or service
 - b) To create a user-centered design
 - c) To create empathy map
 - d) To conduct user research

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- 6. Which one of the following is not a part of various business process model steps?
 - a) Process maps b)
- b) Process detection
 - c) Process imitation d) Process termination
- An employer Mrs. ABC divides her business processes into basic components based on their functions and performance for the business is called:
 - a) Building Product Management
 - b) Business Product Management
 - c) Business Process Modelling
 - d) Basic Product Management
- 8. What is the main focus of design thinking in IT?
 - a) Efficiency

b) Cost effectiveness

c) User-centeredness

- d) Innovation
- Which stage in Design Thinking Process allows for the collaboration between designers, developers and stakeholders?
 - a) Empathize

b) Define

c) Ideate

- d) Test
- 10. Which one of the following are advantages of Business Process Modeling?
 - a) Align operations with business strategy
 - b) Improves process communication
 - c) Improves operational efficiencies
 - d) All of these
- 11. Duration of design thinking workshop can be
 - a) 2 hrs
 - b) 2 days
 - c) one week
 - d) Depends on the context of the workshop
- 12. Which one of the following are part of the scope of strategic innovation?
 - a) Managed innovation process
 - b) Strategic Alignment
 - c) Industries foresight and implementation
 - d) All of these
- 13. The willingness to try something by building, it is the evidence of experimentation'. The statement refers to
 - a) Story telling
 - b) Prototyping
 - c) Mind mapping
 - d) Conceptualizing
- 14. How does experience design relate to humanization in product development?
 - a) Experience design focuses on creating a positive user experience while, humanization focuses on making products more user friendly.
 - b) Experience design and humanization are unrelated.
 - c) Experience design and humanization focuses on creating a positive user experience
 - d) None of these

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15.	Which one is not part of planning stage of design thinking workshop?					
	a) Learning goals b) Pre-meeting					
	c) Developing flow of activity d) Idea testing					
16.	innovation happens when a new technology completely disrupts existing					
	business or economy and creates a new business model.					
	a) Incremental b) Sustaining					
	c) Disruptive d) Radical					
4 11						
17.	and the state of the continuous and the state of the state of the brother					
	a) The central idea of the product					
	b) Engaging the participants					
	c) Other products in market					
	d) Incorporate adequate detail					
18.	A company collects, analyses and rework by considering negative feedback to learn and					
	improve to create a solution that is					
	a) Desirable to customer					
	b) Feasible to implement					
	c) Viable for long term success					
	d) All of these					
10	What are Colonial to the Colon					
19.	What step of the design process was not considered for this tea pot?					
	Zirinis .					
	a) Research and Design b) Prototype and Testing					
	c) Design and Manufacturing d) All of these					
20.	Mr. XYZ is starting a clothing company. Instead of making clothing that fits models, he					
	walls to start trinking about what non models common neonle end users need and nin					
(ins design around them. Accordingly, he is engaging in					
**	a) Design thinking b) Model design					
	c) End user generation d) Model thinking					
21.	How can Design Thinking in IT improve product services and processes?					
	a) By identifying user needs and pain points					
	b) By considering different perspectives					
	c) By rapid prototyping and testing CMRIT LIBRARY					
	d) All of these BANGALORE - 560 037					
22.	Which one of the following is part of Agile Virtual collaboration approach?					
	a) Allow openness (**					
	b) Establish a culture of continuous communication					
	c) Develop a culture of courage and flexibility d) All of these					

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23.	What is the main benefit of using a design?						
	a) Efficiency	b) Cost-effectiveness					
	c) Improved user satisfaction	d) Innovation					
	of maple von door ballotterion	d) illinovation					
24.	24. Business process modeling replaced the organization's previous effective packages						
	a) Time and motion study	b) Total quality management					
	c) a and b	d) None of these					
	-) a and o	a) Hone of these					
25.	Which method can be used to design comm	lex software programs based on models, both					
	structural and behavioural models?						
	a) Scenario based prototype	b) Agile discussion					
	c) Simple prototype	d) None of these					
	7,	7, 1.0					
26.	For a website development project in an	industry, the software developers divide the					
	main project into many smaller projects a	nd adopt an iterative approach to incorporate					
	any changes needed as per frequent custom	er feedback. This type of approach is found in					
	a) Agile method	b) Waterfall method					
	c) Sprints	d) All of these					
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27.	A time boxed iteration of continuous deve	clopment cycle for a planned amount of work					
that has to be completed by the team and made ready for review is called							
	a) Prototyping	b) Sprint					
	c) Experience Design	d) Business Model Design					
	· ·						
28.	Which one is the process of setting goals,	procedures and objectives in order to make a					
company or organization more competitive?							
	a) Visualization	b) Strategic management					
	c) Group discussion	d) Prototype					
20	Which are of the following in not next the	£					
29.	Which one of the following is not part of at a) Disruptive						
	c) Conceptual	b) Radical d) Architectural					
	c) Conceptuar	d) Architectural					
30.	Which innovation type is related to new	concept, product or service which will create					
50.	new value to the existing market and also c	reate a completely new market?					
	a) Incremental	b) Sustaining					
	c) Disruptive	d) Radical					
į.							
31.	Design thinker in an organization are	b) Employees BANGALORE					
	a) People	b) Employees BANGALOR					
	c) Managers	b) Employees BANGALORE - 560 03:					
32.	What is the main objective of the empathiz	e stage in design thinking?					
	a) Understanding the problem	b) Generating ideas					
	c) Identifying the user needs	d) Building prototypes					
33.	11 0 4 1	on about					
	a) Customer and product interaction						
	b) Idea and its interaction among other ideas						
	c) Visualization of problem statement						
	d) None of these						
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34.	 Value chain analysis process provides a) Better understanding of customer expectations b) Uncover the information about partners capabilities 					
	c) Better market analysis					
	d) All of these					
25	777.1					
35.	which one of the below helps in general opportunities?	ting hypothesis about potential new business				
	a) Prototype	b) Rapid concept development				
	c) Ideate	d) Learning launches				
36.	6. A visualization activity was performed by the employees of a bulb manufacturi					
	company which included information in the					
	a) Images of various types of bulbs produced by the company					
	b) Its application suitability to the custome c) Clears or reduces the possibilities of unit					
	d) All of the above	matched mental models/pictures				
	d) Thi of the door					
37.	The goal of the prototype phase is					
	a) To understand what component of your					
	b) To understand what component of yourc) Both of them	idea worked				
	d) None of them					
	/					
38.	is a tool to use the design	details and terms to develop new business				
	opportunities.					
	a) Visualization c) Rapid concept development	b) Journey mapping d) None of these				
	c) Kapid concept development	d) None of these				
39.	Which tool is used for feasibility check of	assumptions of the new business ideas?				
	a) Value chain analysis	b) Rapid concept development				
	c) Prototype	d) Assumption testing				
40.	Identify the process that brings users and	designers together to work towards a shared				
	goal.	Ph				
	a) Problem statement formulation	b) Customer co-creation				
	c) Value chain analysis	d) None of these				
41.	The stages of the design thinking process	n order are				
	a) Understand > Draw > Ideate > Crate > 7					
	b) Empathize > Define > Ideate > Prototyp					
	c) Empathize > Design > Implement > Pro	duce > Test BANGALORE - 560 037				
	d) Understand > Define > Ideate > Produc	e > 1 ry				
42.	The comprehensive principle of design thi	nking does not include				
	a) Relationship	b) Collaboration				
	c) Communication	d) Suppliers				
43.	Design Thinking typically help in					
10.	a) Innovation	b) Data Analysis				
	c) Marketing Management	d) Operation Management				
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44.	patients. However, Mr. ABC doesn't want anything to do with older adults or people with disabilities. According to the design thinking process, Mr. ABC will face problems because he is missing.							
	a) Empathy	b) Creativity	c) Practicality	d) Imagination				
45.	The three I's of designa) Interest	gn thinking do not incl b) Implementation	ude c) Inspiration	d) Ideation				
46.	from? a) The design stage	es the information us	b) The ideate stage	roblem statement come				
	c) The define stage	as'	d) The testing stage					
47.	Collecting	is an important porti	on of testing a protot	ype in the test stage of				
	a) Pictures	b) Money	c) Feedback	d) E mails				
48.		le experimental model	of a proposed solution	used to				
	a) Test ideas c) Both		b) Validate ideas d) None of these	03/50				
		ANT	a) Ivone of these	CMRIT LIBRARY				
49.	Identify the correct s		individuals from a	BANGALORE - 560 037				
		th about the existence		nd organizations must				
	b) Leap of faith is the page in the manual of design thinking containing the core							
	philosophy about			11				
	c) Design thinking presupposes that some people are inherently creative and become successful in creative product development. The team should have atleast one such							
	person.	product develop.						
	d) None of these							
50.	Which is not basic n	nodes of thinking?						
	a) Analytical	b) Judical	c) Critical	d) Synthetic				

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And the second s								
Def.								