Basavarajeswari Group of Institutions

2022 SCHEME

BALLARI INSTITUTE OF TECHNOLOGY & MANAGEMENT

(Autonomous Institute under Visvesvaraya Technological University, Belagavi)

USN			Course Code	e 221	D T 1 8 / 2 8		
First.	Second Semes	ter B.E. Degree Sumr	ner Semester Examin	nations, Se _l	otember/October 2025		
	INN	IOVATION A I	ND DESIGN	THINK	ING		
Durati	on: 1 hr				Max. Marks: 50		
	ctions to the Candid	lates.			William Williams DV		
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Q.No	Damaging	ricing, using witherens	Question	iy promonec	<i>v</i> •		
1	What is the first	step in the design proces					
	A. Ideation	B. Conceptualiz	cation C. P	lanning	D. Research		
2	What is the ultim	nate goal of the design th		J			
		ally appealing designs	• •	Γo solve con	nplex problems		
	C. To make a profit D. To gain a large following						
3	What is gamification in the context of design thinking?						
	A. the use of game design principles in non-game contexts						
	_	ign thinking principles in	•				
		ual reality in design thin	•				
	D. the use of agile methodology in game design						
4	What is the purpose of the Define stage in design thinking?						
	A. To generate n	•	•	nderstand the	e user's needs		
	C. To finalize the		D. To ga	ather feedbac	ek		
5		ed model benefit the tear	_				
	A. It promotes individual ownership of ideas B. It eliminates the need for collaboration						
	C. It allows for better communication and understanding D. It hinders the design process						
6	What is the benefit of a non-linear process in design thinking?						
		lexibility and adaptabilit		ip the design	process		
		onsistent outcome	D. It eliminat	-	-		
7		lowing is not a design pr					
	A. Balance	B. Contrast	-	asis	D. Financial		
8			1		its product development		
	process?	8 1 1 1 1		6	r		
	A. Apple	B. Walmart	C. Exxon Mol	bil	D. Coca-Cola		
9		ary goal of applying des					
	A. To simplify and streamline processes B. To add more complexity to processes						
	C. To change the		D. To make processes more time-consuming				
10	Who wrote the book "Change by Design", which helped popularize design thinking in the business						
	world? A. Tim Brown	B. David Kelley	C. Roger Mar	tin D.	John Maeda		

11	Why is a shared model important in team-based	d design?					
	A. It allows for individual ownership of ideas						
	B. It promotes competition among team members						
	C. It encourages collaboration and shared owner	ership of ideas					
	D. It eliminates the need for communication						
12	What is the role of a shared model in the design						
	A. To identify issues and opportunities for imp	rovement					
	B. To speed up the design process						
	C. To ensure a consistent outcome						
	D. To provide a visual representation of the des	sign solution					
13	What tools are commonly used in assumption t						
	A. Surveys and user interviews	B. Mind mapping and	•				
	C. Gantt charts and project management softwa		ability testing				
14	What are some examples of asynchronous com	munication tools?					
	A. Email	B. Instant messaging					
	C. Video conferencing	D. Face-to-face meetings					
15	What is low material abstraction in research ve	hicle design?					
	A. The use of expensive materials in the vehicle	e					
	B. The simplification of the vehicle design						
	C. The complexity of the vehicle design						
	D. The use of materials that are not traditionall	•					
16	Which of the following is a key element of des						
	A. Planning B. Analysis	C. Empathy	D. Advertising				
17	How can collaborative creation of hand drawin	gs be used to communicate des	sign concepts to non-				
	designers?						
		B. By using simple, easy-to-und					
		D. By using complex design so					
18	Which of the following is not a tool for enabling	-	_				
	A. Virtual reality B. Online project manageme		ace to face meetings				
19	Which of the following is not a stage in the des						
	A. Ideation B. Testing	C. Implementation	D. Documentation				
20	What are some common methods for conducting		· ·				
	A. Surveys and questionnaires		ews and observations				
	C. Focus groups	D. All of	these				
21	What are some common pitfalls to avoid in the	•					
	A. Making assumptions about the user	· ·	enough questions				
	C. Not observing the user's behavior	D. All of these					
22	What tool is used to generate and organize idea	-					
••	A. Empathy mapping B. Mind mapping	•	D. Sketching				
23	What activities does a value chain analysis typi	_	=				
	A. Inbound logistics B. Operations	C. Outbound logistics					
24	What is the most critical success factor for Agi		ronment'?				
	A. Adherence to processes	B. Clear communication					
25	C. Empowerment of team members	D. Trust and transparency					
25	What are some common methods for testing so		D 411 01				
26	A. Surveys B. User interviews	C. Focus groups	D. All of these				
26	What are the two main components of a hypoth		11				
	A. Problem statement and solution	B. Assumptions and pro					
	C. Data and analysis	D. Ideation and implem	entation				

27	Who is the primary audience for an MVP?
	A. Early adopters B. Mainstream consumers C. Industry experts D. Investors
28	What is the most important aspect of design thinking in agile software development?
	A. Speed B. Control C. User-centered approach D. Quality
29	What is the importance of collaboration in a non-linear design process?
	A. It ensures a perfect solution B. It eliminates the need for feedback
	C. It speeds up the design process D. It allows for different perspectives and ideas
30	Which of the following is not a common method for gathering information about a business
	Challenge?
	A. surveys B. interviews C. observations D. guesswork
31	How can intense discussion be used to communicate design concepts to non-designers?
	A. By using technical jargon B. By using simple, easy-to-understand visual aids
	C. By relying on verbal explanations D. By using complex design software
32	Which design thinking method is most closely related to storytelling?
	A. mind mapping B. brainstorming C. visualization D. story boarding
33	How can regular real-time collaboration moments be scheduled and managed?
	A. By relying on a shared calendar B. By having regular virtual meetings
	C. By having a designated project manager D. All of the above
34	What is the main goal of gamification in design thinking?
	A. to make the design process more fun and engaging
	B. to create games that are visually appealing
	C. to increase user engagement and motivation
	D. to make the design process more efficient
35	What is the relationship between motivation and job satisfaction?
	A. Positive correlation B. Negative correlation
	C. No correlation D. It depends on the individual
36	What is strategic foresight in design thinking?
	A. A method of predicting future trends B. A technique for generating new ideas
	C. A process for creating prototypes D. A tool for conducting user research
37	What is the main objective of growth design thinking?
	A. to improve user experience B. to develop new products and services
	C. to drive business growth and expansion D. to reduce operational costs
38	Which of the following is a potential benefit of standardization?
	A. increased flexibility B. reduced quality control C. cost savings D. customized solutions
39	What is the impact of design thinking on the user experience in IT?
	A. Improved user engagement B. Enhanced user satisfaction
	C. Increased user adoption D. All of the above
40	Which of the following is a common type of rapid prototyping?
	A. low-fidelity prototyping B. high-fidelity prototyping
	C. mid-fidelity prototyping D. none of the above
41	Which of the following is not a common tool used in experience design?
	A. wireframes B. storyboards C. mood boards D. spreadsheets
42	What is the role of iteration in the design thinking process?
	A. To repeat the same step multiple times B. To finalize the design quickly
4.2	C. To test the design only once D. To improve the design
43	How many hypotheses can be tested during a single design thinking project?
4.4	A. One B. Two C. Three D. Multiple
44	What can be included in a mind map in design thinking?
	A. Text B. Images C. Links and notes D. All of these

45		That are some common methods for generating ideas in the Ideate stage?					
	A. Brainstorming	B. Mind	l mapping	C. SCAN	MPER	D. All of these	
46	What is the main g	oal of design th	inking in inf	information technology?			
	A. Efficiency B. Innovation C. Cost-effectiveness D. Al			D. All o	of these		
47	Who is known as the	Tho is known as the "father of design thinking"?					
	A. Tim Brown	B. David K	elley	C. Roger Ma	artin	D. Richard Buchanan	
48	What is the most in	at is the most important aspect of Agile in virtual collaboration environment?					
	A. Process	B. Tools		C. People	;	D. Technology	
49	What tool is used to	o visually organ	nize and brain	ainstorm ideas in design thinking?			
	A. Mind maps	B. Empathy	maps	C. Journey		D. PEST analysis	
50	In the context of growth design thinking, what is a "Minimum viable product"?					oduct"?	
A. a product that has every feature and function that customer might want						int	
	B. a product that is only partially developed and lacks many key features C. a product that is fully developed and optimized for launch						
	D. a product that has been discontinued due to lack of customer interest						
