Human-Computer Interaction Overview	
Your Name:	
1. Which cognitive psychology concept directly underpins the usability principle of "recognition rather than recall" in interface design?	
A. Short-term (working) memory limitations	
☐ B. Long-term memory, particularly its retrieval efficiency	
C. Information processing model, focusing on motor output	
☐ D. Sensory memory, related to initial data storage	
product launch. A. True	
☐ B. False	
3. Briefly explain the primary goal of Human-Computer Interaction (HCI).	
4. In Nielsen's Usability Heuristics, the principle of "User control and freedom" emphasizes the need for a clearly marked "emergency" to allow users to leave unwanted states.	

characteristic: 1. A. Seamlessly integrated, invisible Graphical User environmental devices Interface 2. B. Users submitted jobs and received Ubiquitous output later computing 3. C. Overlays digital information onto Augmented the real world reality 4. Batch D. Direct manipulation of graphical objects with a pointing device processing 6. Which of the following is an example of a user-based evaluation method? A. Usability Testing B. Heuristic Evaluation C. Cognitive Walkthrough ☐ D. GOMS analysis 7. Aesthetic and minimalist design in a user interface suggests including all possible information to prevent users from needing to search for it. A. True B. False

5. Match the interaction design paradigm with its defining

8. What is the primary of summative evaluation	difference between formative and methods in HCI?		
9. Cognitive psychology helps designers reduce the cognitive on users, leading to more intuitive and understandable interfaces.			
10. Match the Nielsen's description:1.Consistency	Usability Heuristic with its corresponding A. Providing plain language error		
and standards 2. Visibility of system status	messages with solutions B. Designing to stop problems from occurring initially		
3. Errorprevention4. Helpusersrecognize,	C. Providing appropriate feedback within reasonable time		

diagnose,

recover from errors

and

D. Ensuring similar actions have

similar meanings

11. Which aspect of cognitive psychology focuses on how users interpret visual, auditory, and tactile information in an interface?		
☐ A. Attention		
☐ B. Problem-solving		
☐ C. Memory		
☐ D. Perception		
12. The core principle of User-Centered Design (UCD) is that aesthetic appeal should always prioritize user needs.		
☐ A. True		
☐ B. False		
13. Name two types of user-based evaluation methods.		
14. The concept of user refers to how users form an understanding of how a system works, which designers aim to align with for intuition.		

15. Match th	ne HCI field with its contribution to the discipline:		
1. Human factors engineering	A. Focuses on optimizing human well- being and system performance		
2. Computer science	B. Shapes the aesthetics and user experience of interfaces		
3. Cognitive psychology	C. Offers insights into human mental processes		
4. Design	D. Provides the technological capabilities and system architecture		
	the primary benefit of accelerators, such as keyboard an interface design?		
A. They pri	marily aid in error prevention for novice users.		
☐ B. They improve consistency with real-world metaphors.			
☐ C. They enh	nance flexibility and efficiency for expert users.		
☐ D. They rec	duce system status visibility.		
	ig to Nielsen's heuristics, matching the system to the neans using highly technical, system-oriented terms for		
18. What is ' Interaction?	usability' in the context of Human-Computer		

19. A walkthrough is an expert-based evaluation method where experts simulate a user's step-by-step interaction to assess learnability.		
interaction to assess learnability.		
20. The user-centered design stage that involves understanding who the users are, their tasks, and the environment is known as which of the following?		
A. Summative evaluation		
☐ B. Requirement specification		
☐ C. Design solutions		
☐ D. Context of use analysis		