Name:	Matr.Nr.:	

Human-Computer Interaction (HCI) (706.021 3VU Mensch-Maschine-Kommunikation SS 2015)

Multiple Choice Test (15 Minutes)

- Write your name and Matrikelnummer at the top of the page.
- For each choice, clearly mark the circle \otimes , if that choice is correct (true, T). Clearly mark the box \boxtimes , if that choice is incorrect (false, F). Do not mark both the circle and the box, do not leave both empty.
- If you make a mistake, clearly write the word "true" or "false" in the margin next to the boxes.
- There may be zero, one, or multiple correct choices for each question.
- For each question, you will either gain full points or zero points. To gain full points, you must *correctly* identify each choice as true or false (exact match).
- Unless otherwise stated, the questions assume a Microsoft Windows computing environment.
- This is a closed book test. No books, lecture notes, or other materials are allowed.
- No calculators, mobile phones, PDAs, or other electronic devices are allowed.
- A printed English-German dictionary may be used.
- Please place your student id on the desk in front of you.

T F	1. <i>M</i>	Supplings:
$\bigcirc \Box$	A.	are possibilities for using an object (or interface).
$\bigcirc \Box$	B.	are relationships between controls and their effects on a system.
	C.	are cultural constraints.
	D.	may take advantage of physical analogies and cultural standards.
T F	2. R	egarding the measurement of usability attributes:
$\bigcirc \square$	A.	Reliability is measured by performing common use cases.
	B.	Errors are measured by counting both minor and catastrophic errors made by users.
	C.	Sample expert users are needed to measure efficiency.
	D.	Learnability is determined by measuring the time it takes to explain an interface to a new user.
T F		Which description(s) of <i>learning curves</i> for hypothetical systems is (are) correct?
	A.	The learning curve is independent of the focus of the system on the type of user (novice or expert).
	В.	The learning curve approximates to a lower value of efficiency if the system focuses on novice users.
\bigcirc	C.	A system focused on expert users provides higher efficiency at all times.
	D.	Efficiency increases more steeply in a system focused on expert users.
T F	4. R	egarding brainstorming:
\bigcirc	A.	Brainstorming should be done in familiar surroundings.
\bigcirc	B.	To keep things organised, immediately reject impossible solutions.
\bigcirc	C.	Sketch in pencil on Post-It notes.
$\bigcirc \Box$	D.	Conisder the practicality of ideas only after brainstorming has finished.

T F	5. V	Which of the following are recognised kinds of <i>prototypes</i> :
	A.	Interactive sketches.
$\bigcirc \Box$	В.	Cognitive models.
$\bigcirc \Box$	C.	Paper prototypes.
	D.	Verbal prototypes.
	(T	
T F		Which of these are <i>usability heuristics</i> (from Nielsen's 1994 revised list):
$\bigcirc \sqcup$		Don't Make Me Think
		Match Between System and the Real World
$\bigcirc \sqcup$		Keep It Simple
	D.	Error Prevention
- -	7. (Cognitive Walkthrough:
T F	A.	is a summative evaluation method.
\bigcirc		always tracks the correct action sequence.
\bigcirc	C.	focuses explicitly on learnability.
		is performed by a single evaluator, who walks through a typical task.
	8 V	Which of the following are valid <i>testing roles</i> in the test team?
T F		
		Computer operator
		Test facilitator
		Test subject
$\cup \sqcup$	D.	Data logger
T F	9. V	What are the pros (advantages) of using a <i>formal experiment</i> ?
$\bigcirc \Box$	A.	Finds why problems occur.
$\bigcirc \Box$	В.	Usable early in development cycle.
\bigcirc	C.	Allows comparison of alternative designs.
$\bigcirc \Box$	D.	Requires only a small number of test users.
	10	Regarding the <i>Memex</i> :
T F		It was a design based on mechanical levers and microfilm.
		It was published by Vannevar Bush in 1945.
		It proposed "trails" of links between documents.
		It was implemented by Ted Nelson in 1968.
\cup \sqcup	ν.	it was implemented by ieu incisum III 1700.