DIS I - second exam (35%) - 60 minutes - 60 points
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RWTH Aachen WS 2012/ 2013

1. Draw the model of seven stages of action (with the correct arrows) (3)
2. Identify which kind of slip was made and justify your answer: Daniel put in his SIM for his mobile phone 3 times. Every time it was false. Afterwards, he notices that he put in the SIM for his old mobile phone. (2)
3. Describe the Concept model from Normans book. (1)
4. GOMS - KLM + using rules (5)
5. Two advantages of evaluating in the lab instead of in field
6. Name two evaluation techniques without user (2)
7. CMN: Time of open loop and close loop + explain (4)
8. Define Fitts Law and the two disadvantages of it(2)
9. Fitts Law (Welford - exercise - computing) (4)
10. STN exercise (8)
11. Christian wants to find out how quick people can read the text in different colours. Background stays the same. Identify dependent and independent variables (5)
12. Forcing Shifts + sweet point
13. Sketchpad vs. Photoshop - two similarities, two differences (no example like Photoshop has more filter for colours)
14. Explain from the point of CMN-model, why when you need for example to verify your software it's used the following dividing of digits:
    123 – 1234 – 1234 – 2134
15. Simon wants to register himself for a DIS course. For doing it he need to put either AC (Aachen) or BN (Bonn) into the registration form and after it 6 digits of his matriculation number. E.g.: AC123456. For doing it he uses just a keyboard of his phone.
    · Count the minimal info required for a task
    · Count the info that were supplied by the user
    · Count the interface efficiency
    · Sketch the interface that can minimise the capacity of supplied info
16. Which features of NLS (onLine System) influenced modern computer systems?
17. What are the advantages and disadvantages of think aloud evaluation?
18. What kinds of Ubicomp devices exists? What can you do with these things?
19. -
20. -