

Privacy en Beveiliging

Exam

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14th January 2010

Instructions: Questions should be answered in Dutch or English. Each question is worth at most 10 points. The grade for the course is the sum of the points for the exam (max 100) divided by 10 rounded up/down to the nearest half point. A final grade of 5.5 will be rounded up to a 6. Which is enough to pass the course. Previous hand-in exercises do not count for this exam. You have 2 hours to complete the exam. Please *read all questions carefully* before starting. This is a **closed book** exam. The only attributes you are allowed to use are **pen and paper**. Please explain each answer!

1. (a) What are negative and positive rights? (5 points)
(b) Is 'Privacy' a negative or a positive right? Motivate your answer. (5 points)
2. (a) What is 'secondary use'? (2 points)
(b) Is secondary use allowed according to the 'Privacy Principals'? Motivate your answer. (4 points)
(c) And according to the EU Data Directive? Explain your answer. (4 points)
3. (a) What is the biggest difference between privacy laws in the United States and the European Union? (4 points)
(b) What is the 'Safe Harbor Agreement' and why is it necessary? (6 points)
4. (a) What is 'Spam'? (2 points)
(b) Which laws regulate spam in the Netherlands? (4 points)
(c) In the Dutch context, is spam always illegal? (4 points)
5. (a) What is 'Freenet'? (2 points)
(b) Describe two positive and two negative sides of Freenet. (6 points)
(c) Name one other program, besides Freenet, that can be used to surf the web anonymously. (2 points)

6. (a) Give one argument for and one argument against 'Net Neutrality'? (5 points)
(b) What is VOIP? (2 points)
(c) Can VOIP be tapped? (3 points)
7. (a) Describe the difference between 'Intellectual Property' and 'copyright'? (5 points)
(b) What is the difference between 'copyright' and 'trademark'? (5 points)
8. (a) Is 'free software' always free (gratis)? Explain your answer. (5 points)
(b) Is, in general, 'open source' software or 'proprietary' software more secure? Why? (5 points)
9. (a) What is a 'botnet', and how does it work? (5 points)
(b) What are 'phishing' and 'pharming'? (5 points)
10. (a) Give short definitions for the following concepts:
 - i. Confidentiality
 - ii. Integrity
 - iii. Availability
 - iv. Authentication(4 points)
(b) Describe how symmetric and asymmetric encryption work and give an example (name) of each type. (6 points)