Information Security from a Global Perspective

TEN1

Internal code: TEN1
Ladok code: 21IG1A
Exam for: IMIT14, IS

Tentamensdatum: 2016-05-25
Tid: 09:00 – 12:00

Total points on exam: 30 points
Requirements for grading:
E >= 15p, D >= 17p, C >= 20p, B >= 23p, A >= 27p

General directions:

- Write clearly and on only one side of each sheet.
- Use a new sheet for every question.
- Submit all answers in numerical order.
- Mark (on cover sheet) which questions you have answered.

Good Luck!

Teacher: Håkan Alm,
Tel: 076 188 1118
**Question 1** (3 points)

Explain what, TCP/IP, FTP and SMTP is used for.

**Question 2** (3 points)

Globally Cloud Computing is getting more and more popular. Describe what it is and list the main advantages and disadvantages.

**Question 3** (3 points)

Explain the basic principles of encryption and decryption.

**Question 4** (3 points)

List what one should consider to create a good password.

**Question 5** (3 points)

Explain why Håkan thinks that user training is an important part of the Information Security work and the purpose of the ‘User Security lab’.
**Question 6** (3 points)
Under perfect conditions complete backups are carried out on a daily basis. What is a MUST to do on a regular basis to make sure that the backups have ‘succeeded’

**Question 7** (3 points)
Explain, in general terms, what Disaster Recovery and Business Continuity is.

**Question 8** (3 points)
When talking about Hardware firewalls normally one means UTM, what does the acronym stand for. What functionality can one normally expect a firewall to have, list at least 4.

**Question 9** (3 points)
Describe which solution you choose for your UTM lab and why.

**Question 10** (3 points)
Describe the different parts in the security requirements (CIA) triad and how these are connected to each other.