1. Explain shortly (one sentence) the following concepts, from medicine and medical informatics. (3p)
   - Anamnesis
   - Epicrisis
   - PACS
   - CT
   - MRT
   - PET

2. What is a hospital information system (HIS)? What are the main components of a HIS? Give one example of an important problem in connection with development of a HIS for a larger hospital organisation. (4p)

3. Give one concrete example of an expert system (e.g. a decision support system) that is used in medicine and health care. What are the main functions of this system? Give one example of a problem that can occur when using an expert system. (4p)

4. Give an interaction designer, who is going to design a system for reading the patient record in health care, four (4) important advices. The advices should aim at providing high usability for the end-users. Give very short motivations for your advices (i.e. why is this advice important?). (5p)

5. What is dose planning in radiotherapy? What is the main purpose of an IT-system for dose planning? Give one example of a design problem, when developing user interfaces for dose planning systems. (4p)