

Credits: 2 cr **Note: This exam is based on only the course book.**

1. Subcomponents (areas) and interfaces of requirements engineering
 - a. Explain shortly the following subcomponents (areas) of requirements engineering
 - i. Requirements prioritization
 - ii. Requirements validation
 - iii. Requirements change management
 - b. Describe shortly how the following processes relate to requirements engineering
 - i. Project planning and tracking
 - ii. Software design and construction
 - iii. Acceptance testing process

2. Good practices of requirements engineering
 - a. Explain shortly the following four characteristics of excellent requirements
 - i. necessary
 - ii. correct
 - iii. unambiguous
 - iv. verifiable
 - b. Describe four good practices that support in achieving these characteristics.

3. Requirements elicitation and prioritization
 - a. Why is requirements elicitation important and how can one gather requirements from users?
 - b. Why is requirements prioritization important and how can one set requirement priorities?

4. Documenting and validating requirements
 - a. Describe shortly the content of the following requirements documents
 - i. Vision and scope document
 - ii. Use-Case document
 - iii. Software requirements specification
 - b. Why is it useful to have the three different requirements documents?
 - c. How can one validate requirement documents?

5. Requirements analysts and stakeholders
 - a. What is the role of a requirements analysts and what kind of skills and knowledge does an effective analyst need?
 - b. Describe shortly four stakeholder groups of requirements engineering: name of stakeholder groups and their roles/tasks related to requirements engineering.