Mid & Final Term Papers

Here are the Mid-Term and Final-Term papers with easy level questions based on the provided content:

Mid-Term Paper

Section A (Multiple Choice Questions) - 20 marks

1. What is the focus of software engineering?
a) Building software quickly and efficiently
b) Building software that meets user requirements
c) Building software with high quality
d) Building software with low cost

Answer: b) Building software that meets user requirements

2. Which software process model is iterative and incremental?
a) Waterfall model
b) Agile model
c) V-model
d) Spiral model

Answer: b) Agile model

3. What is the purpose of requirements engineering?
a) To design the software architecture
b) To implement the software
c) To gather and document user requirements
d) To test the software

Answer: c) To gather and document user requirements

4. What type of requirements specify how the system should behave in specific situations?
a) Functional requirements
b) Non-functional requirements
c) User requirements
d) System requirements

Answer: a) Functional requirements

5. What is the purpose of UML diagrams?
a) To design the software architecture
b) To implement the software
c) To model and visualize software systems
d) To test the software

Answer: c) To model and visualize software systems

Section B (Short Answer Questions) - 40 marks

1. What is the difference between functional and non-functional requirements? (10 marks)
2. Describe the key characteristics of Agile software development. (10 marks)

3. What is the purpose of software process models? (10 marks)
4. What is the role of context models in requirements engineering? (10 marks)

Section C (Essay Question) - 40 marks

Choose one of the following essay questions and answer it in about 250-300 words.

1. Discuss the importance of software engineering in software development.
2. Explain the key principles of Agile software development and its benefits.

Final-Term Paper

Section A (Multiple Choice Questions) - 30 marks

1. What is the purpose of software testing and quality assurance?
a) To design the software architecture
b) To implement the software
c) To ensure the software meets user requirements
d) To deliver the software to customers

Answer: c) To ensure the software meets user requirements

2. Which software development technique is used to create prototypes?
a) Agile development
b) Model-driven engineering
c) Architectural design
d) Prototyping

Answer: d) Prototyping

3. What is the purpose of software evolution?
a) To develop new software
b) To modify existing software
c) To maintain existing software
d) To deliver software to customers

Answer: c) To maintain existing software

4. What is the role of project management in software development?
a) To design the software architecture
b) To implement the software
c) To plan and control software projects
d) To test the software

Answer: c) To plan and control software projects

5. What is the purpose of configuration management?
a) To design the software architecture
b) To implement the software
c) To manage changes to software projects
d) To test the software

Answer: c) To manage changes to software projects

Section B (Short Answer Questions) - 50 marks

1. Describe the key differences between Agile and traditional software development approaches. (15 mar
2. Explain the role of design patterns in software design. (15 marks)
3. What is the purpose of software process improvement? (10 marks)
4. Describe the key components of a context model in requirements engineering. (10 marks)

Section C (Essay Question) - 50 marks

Choose one of the following essay questions and answer it in about 500-600 words.

1. Discuss the importance of requirements engineering in software development.
2. Explain the key principles of model-driven engineering and its applications.
3. Compare and contrast Agile and traditional software development approaches.

Note: The marks assigned to each section and question are indicative and can be adjusted according to y