

Mid & Final Term Papers

Here are two sample exam papers, one for Mid-Term and one for Final-Term, with easy level questions b

****Mid-Term Exam Paper****

****Duration: 1 hour****

****Section A: Multiple Choice Questions (30 marks)****

1. What is the primary goal of software engineering?
 - a) To develop software quickly
 - b) To develop software cheaply
 - c) To develop software that meets user requirements
 - d) To develop software that is easy to maintain
2. Which of the following is NOT a characteristic of professional software development?
 - a) Iterative development
 - b) Customer involvement
 - c) Ad-hoc development
 - d) Continuous improvement
3. What is the purpose of a software process model?
 - a) To design the software architecture
 - b) To implement the software
 - c) To guide the software development process
 - d) To test the software
4. What is Agile software development?
 - a) A software process model
 - b) A software development technique
 - c) A software testing methodology
 - d) An iterative and incremental approach to software development
5. What are functional requirements?
 - a) Performance, security, and usability
 - b) User interface, data, and functionality
 - c) What the system must do
 - d) How the system must be built

****Section B: Short Answer Questions (40 marks)****

1. What is the nature of software? Explain in 50 words. (10 marks)
2. Describe the software engineering practice. (15 marks)
3. What is the difference between requirements engineering and software design? (15 marks)

****Section C: Essay Question (30 marks)****

Choose one of the following essay questions and answer it in about 200 words.

1. Describe the importance of software process models in software development.
2. Explain the concept of model-driven engineering and its role in software development.

****Final-Term Exam Paper****

****Duration: 2 hours****

****Section A: Multiple Choice Questions (40 marks)****

1. What is the purpose of context models in requirements engineering?
 - a) To describe the system's functional requirements
 - b) To describe the system's non-functional requirements
 - c) To describe the system's operating environment
 - d) To describe the system's architecture
2. Which UML diagram is used to model the dynamic behavior of a system?
 - a) Class diagram
 - b) Use case diagram
 - c) State machine diagram
 - d) Sequence diagram
3. What is the main objective of software testing?
 - a) To find defects in the software
 - b) To prove that the software is defect-free
 - c) To improve the software quality
 - d) To reduce the software development time
4. What is the purpose of configuration management in software development?
 - a) To manage changes to the software code
 - b) To manage the software development process
 - c) To manage the software testing
 - d) To manage the software deployment
5. What is software process improvement?
 - a) Identifying and addressing weaknesses in the software development process
 - b) Improving the software quality
 - c) Reducing the software development time
 - d) Increasing the software development cost

****Section B: Short Answer Questions (60 marks)****

1. Describe the software development life cycle. (15 marks)
2. Explain the concept of design patterns and their role in software design. (20 marks)
3. What are the benefits of Agile software development? (25 marks)

****Section C: Essay Question (60 marks)****

Choose one of the following essay questions and answer it in about 400 words.

1. Describe the software engineering practice and its importance in software development.
2. Explain the role of requirements engineering in software development and its relationship with software

Note: The marks allocated to each section and question are indicative and can be adjusted according to t