

# CT1: Software Engineering

Total points 18/20 ?

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✓ Which of the following are core principles of software engineering? 1/1

- ☐ The Reason It All Exists
- ☐ Keep It Simple, Stupid
- ☐ What you produce, others will consume
- ☒ all of the above



✓ What kind of principles are these -----'Collaborate with the customer' and 'Negotiation is not a contest or a game. It works best when both parties win.' 1/1

- ☐ Planning principle
- ☐ Design Principle
- ☒ Communication Principle
- ☐ Coding Principle



✓ What is a software?

1/1

- ☐ Software is set of programs
- ☐ Software is set of documents
- ☒ Software is set of programs, data structure and instructions
- ☐ Software is set of operating system

✓

✓ 'A complete delivery package should be assembled and tested.' belongs to which of the following software engineering principles 1/1

- ☐ Construction
- ☒ Deployment
- ☐ Planning
- ☐ None of the above

✓

✓ Which one of the following models is not suitable for accommodating any change? 1/1

- ☐ Prototyping Model
- ☐ RAD Model
- ☒ Waterfall Model
- ☐ Spiral model
- ☐ Other: .....

✓



✓ The specialised process models can be further categorized as

1/1

- ☐ Formal methods
- ☐ Aspect oriented
- ☐ Component based development
- ☒ all of the above



✗ The bedrock of the software engineering -layered approach is

0/1

- ☐ Tools
- ☐ Quality Focus
- ☒ Process
- ☐ Methods



Correct answer

- ☒ Quality Focus

✓ The process to gather the software requirements from client, analyze and document them is known as \_\_\_\_\_.

1/1

- ☐ System Requirements Specification
- ☒ Requirement Engineering
- ☐ System Designing
- ☐ All of the above



✓ Which document is created by system analyst after the requirements are 1/1 collected from Various stakeholders?

- ☐ Feasibility study
- ☐ Software requirement validation
- ☒ Software requirement specification ✓
- ☐ Requirement Gathering

✓ Which of the following is not related with Planning Practices? 1/1

- ☐ Understand the scope of the project.
- ☐ Recognize that planning is iterative.
- ☐ Involve stakeholders in the planning activity.
- ☒ If something is unclear, draw the picture ✓

✗ What is a requirement? 0/1

- ☐ A portion of the project that has to be correct.
- ☒ A capability or feature of the project deliverable that the deliverable has not conformed to. ✗
- ☐ A capability or feature of the project deliverable that the deliverable has to conform to.
- ☐ A process in the requirement management plan that allows for deviation.

Correct answer

- ☒ A capability or feature of the project deliverable that the deliverable has to conform to.



✓ Which of the following is not related with Modelling Practices? 1/1

- ☒ Adjust granularity as you defines the plan
- ☐ The functions that the software performs must be defined
- ☐ Design should be traceable to the analysis model
- ☐ Always consider the architecture of the system to be built



✓ Which of the following is a Requirement Engineering task? 1/1

- ☒ Elicitation
- ☐ Verification
- ☐ Coding
- ☐ Deployment



✓ Requirement Management is essential due to changes in 1/1

- ☐ requirements
- ☐ change in technology
- ☐ customer expectations
- ☒ all of the above



✓ The component based development emphasis on

1/1

- ☒ reuse of an existing code or program
- ☐ mathematical model
- ☐ reuse and mathematical model
- ☐ None of the above



✓ Which of the following is a risk driven software development model/

1/1

- ☐ Waterfall model
- ☒ Spiral model
- ☐ incremental model
- ☐ None of the above



✓ The types of software are

1/1

- ☐ Application software
- ☐ System software
- ☐ Driver software
- ☒ all of the above



✓ The formal methods emphasis on

1/1

- ☒ the mathematical model of the specification
- ☐ Reuse of existing software
- ☐ SRS document
- ☐ None of the above



✓ SDLC stands for

1/1

- ☐ System Development Life cycle
- ☒ Software Development Life cycle
- ☐ System Design Life cycle
- ☐ Software Design Life cycle



✓ The characteristics of Agile methodology are

1/1

- ☐ Effective response to change
- ☐ Involvement of stakeholders in the development process
- ☐ Effective communication
- ☒ all of the above



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