

Software Engineering

Total points 22/40 ?

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✓ Software Maintenance is classified into how many categories ? * 2/2

- ☐ Two
- ☐ Three
- ☒ Four
- ☐ Five



✓ What is the first step in the software development lifecycle? * 2/2

- ☐ System Design
- ☐ System Testing
- ☒ Preliminary Investigation and Analysis
- ☐ Coding



✗ Which of the following is used to predict the effort as a function of LOC or FP? *0/2

- ☐ COCOMO
- ☒ FP-based estimation
- ☐ Both COCOMO and FP-based estimation
- ☐ Process-based estimation

✗

Correct answer

- ☒ Both COCOMO and FP-based estimation

✗ Which of the following threatens the quality and timeliness of the produced software? *0/2

- ☒ Business risks
- ☐ Potential risks
- ☐ Technical risks
- ☐ Known risks

✗

Correct answer

- ☒ Technical risks



✓ Third-Party Certification for software standards is based on _____. 2/2

- ☐ UI 1996, Second Edition
- ☒ UI 1998, Second Edition
- ☐ UI 1992, Second Edition
- ☐ UT 1998, Second Edition



✗ What is developed by utilizing the historical cost function? * 0/2

- ☒ Parkinson's Law
- ☐ Expert judgment
- ☐ Algorithmic cost modeling
- ☐ Estimation by analogy



Correct answer

- ☒ Algorithmic cost modeling



✓ Which of the following does not complement the decomposition techniques but offers a potential estimation approach for their impersonal growth? *2/2

- ☒ Empirical estimation models ✓
- ☐ Decomposition techniques
- ☐ Automated estimation tools
- ☐ Both empirical estimation models and automated estimation tools

✓ What is the main intent of project metrics? * 2/2

- ☐ For strategic purposes
- ☐ To minimize the development schedule.
- ☐ To evaluate the ongoing project's quality on a daily basis
- ☒ To minimize the development schedule and evaluate the ongoing project's quality on a daily basis ✓

✓ Which parameters are essentially used while computing the software development cost? *2/2

- ☐ Hardware and Software Costs
- ☐ Effort Costs



- ☐ Labor Costs
- ☐ Travel and Training Costs
- ☒ All of the above



✓ Total phases of RAD software model is- *

2/2

- ☐ 2
- ☒ 5
- ☐ 6
- ☐ 7



✓ Which of the following is a fourth-generation language? *

2/2

- ☐ COBOL
- ☒ UNIX Shell
- ☐ C++
- ☐ Fortran



✓ Identify the incorrect software layers *

2/2

- ☐ Process
- ☒ Manufacturing
- ☐ Tools
- ☐ Method



✓ The 4GT Model acts as a package of _____. *

2/2

- ☒ Software Tools
- ☐ Software Programs
- ☐ CASE tools
- ☐ None of the above



✗ Which one isn't a stage of the COCOMO-II? *

0/2

- ☒ Model of Application Composition estimation
- ☐ Model of Early design estimation
- ☐ Model of Post architecture estimation
- ☐ Model of Comprehensive cost estimation



Correct answer

- ☒ Model of Early design estimation

✓ _____ originally proposed the spiral model. *

2/2

- ☐ Pressman
- ☐ Royce



- ☐ IBM
- ☒ Barry Boehm



✗ The worst form of module cohesion is_____ *

.../2

- ☒ Coincidental Cohesion
- ☐ Functional Cohesion
- ☐ Temporal Cohesion
- ☐ Logical Cohesion



No correct answers

✗ Which one isn't an approach to estimate the cost of the software? *

0/2

- ☒ Heuristic
- ☐ Empirical
- ☐ Critical
- ☐ Analytical



Correct answer

- ☒ Critical



✗ The software life cycle can be said to consist of a series of phases. The classical model is referred to as the waterfall model. Which phase defined as "The concept is explored and refined, and the client's requirements are elicited ?" *0/2

- ☐ Requirements
- ☒ Specification
- ☐ Design
- ☐ Implementation

✗

Correct answer

- ☒ Requirements

✗ Which of the following projects would be a good one for adopting the prototyping paradigm for software development? *0/2

- ☐ Accounting System
- ☐ Spreadsheet
- ☒ Automobile Cruise Control
- ☐ Algebra Tutor

✗

Correct answer

- ☒ Algebra Tutor



✗ A process view in software engineering would consider which of the following *0/2

☒ Product performance ✗

☐ Staffing

☐ Functionality

☐ Reliability

Correct answer

☒ Staffing

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