Question 1

1 / 1 pts

According to the General Accounting Office, the relationship between the difficulty of managing a software project to the number of lines of code is:

○ Constant: the number of lines of code does not influence difficulty

○ Log-N: as the number of lines of code increases, the complexity increases marginally

○ Linear: the difficulty of managing a software project is directly proportional to the number of lines of code

● Exponential: doubling the number of lines of code increases the management complexity by a factor greater than 2

Question 2

1 / 1 pts

According to Bershoff, what should be the goal of a software developer?

● Meet the needs of the stake holders

○ Produce the highest quality product practical

○ Generate a product that maximizes profits

○ Work in an ethically and morally responsible way

○ Advance the discipline of software engineering

Question 3

1 / 1 pts

Where did Bersoff get his attributes of product integrity?

● Bersoff and two others

○ McCall

○ Boehm

○ ISO 9126

○ Weiss

Question 4   5 / 5 pts

Which of the following are attributes that characterize product integrity? Hint: this is in the first page of the Bersoff article.

- ☑ Affordability

- ☑ Functionality

- ☑ Accountability

- ☑ Performance efficiency

- ☑ Meets delivery requirements

- ☐ Changeability

- ☐ Accuracy

- ☐ Flexibility

- ☐ Reliability

- ☐ Maintainability

Question 5   1 / 1 pts

According to Bershoff, who takes prime responsibility for the success of a software product?

- ⦿ Developer

- ○ Manager

- ○ Client

- ○ Stake Holder

- ○ User

- ○ Sponsor

- ○ Tester

Question 6

8 / 8 pts

Those who assess whether a product fulfills its objectives

Test & Evaluation ▾

Those who insure a product meets pre-specified standards during development

Quality Assurance ▾

Take a concept from the beginning through the development life cycle.

Development ▾

Those who illuminate to management the state of the development process

Product Assurance ▾

Those who assign, allocate, and control project resources

Project Management ▾

Those who make sure the product meets standards (functional and performance) and the standards themselves are stated and interpreted correctly

Verification & Validation ▾

A software engineer fulfilling one of three basic disciplines: project management, development, or product assurance

Developer ▾

Those who manage the setup of the software system throughout the system life cycle,

Configuration Management ▾

Question 7

6 / 6 pts

Bersoff users many acronyms to describe the SCM process. Match the acronym with the definition.

A collection of people who determine whether a given change request should be accepted	CCB ▼
The process of managing changes in a software system	SCM ▼
A request in written form to alter a software system	ECP ▼
Initially a document but later code fulfilling a request to change the software system	SCI ▼
A tool, usually software, used to help manage changes in the software system	PSL ▼
Computer program components, either completed or in the process of being developed, used to meet the needs of a change request	DO ▼

Question 8

3 / 3 pts

Select all that are true about the SCM process.

- ☑ As the SCM moves forward in time, the number and complexity of SCIs generally increase
- ☐ Software change requests that are not part of the original requirement specifications are not allowed in the SCM process
- ☑ The PSL should provide Archive and Auditing services
- ☐ All DOs must be part of a SCI
- ☑ One of the purposes of the CCB is the approve or disapprove ECPs