

Started on Thursday, 8 February 2024, 12:01 PM**State** Finished**Completed on** Thursday, 8 February 2024, 12:36 PM**Time taken** 35 mins 6 secs**Question 1**

Complete

Marked out of 1

_____ is defined as “a set of activities designed to evaluate the quality of a developed or manufactured product

Select one:

- ☐ a. Software quality- Crosby definition
- ☒ b. SQA
- ☐ c. Quality control
- ☐ d. Software quality- IEE definition

Question 2

Complete

Marked out of 1

The factors included in McCall's factor model are grouped into categories namely:

Select one:

- ☐ a. Operation,Revision,Transition,Testability
- ☒ b. Operation,Revision,Transition
- ☐ c. Operation,Revision,Reusability
- ☐ d. Correctness, Reliability, Efficiency

Question 3

Complete

Marked out of 1

Types of software documentation include:

Select one:

- ☐ a. requirements document
- ☐ b. design reports
- ☐ c. maintenance documentation
- ☒ d. all of the above

Question 4

Complete

Marked out of 1

software engineering is a good environment for achieving SQA objectives.

Select one:

- ☐ True
- ☒ False

Question 5

Complete

Marked out of 1

a software function size will not exceed 60 statements. This requirement is an example of:

Select one:

- ☐ a. Maintainability requirement
- ☒ b. Correctness requirement
- ☐ c. Usability requirement
- ☐ d. Flexibility requirement

Question 6

Complete

Marked out of 1

Opportunities to detect software defects arise in :

- ☐ a. Elicitation
- ☒ b. Product production planning
- ☐ c. Manufacturing
- ☐ d. Product development

Question 7

Complete

Marked out of 1

Components are needed in order to assure the quality of the software development process and the maintenance services include:

Select one:

- ☐ a. Documentations
- ☒ b. All of the above
- ☐ c. QA
- ☐ d. SQA

Question 8

Complete

Marked out of 1

Factors affecting defect detection in software products vs. other industrial products

other industrial products

is the only place where the software's defects can be detected

Software products

makes it easy to assess its development and quality

Software products

Can be measured by the number of operational modes the product permits

Product complexity

Can be measured by the number of operational modes the product permits

development phase

are usually very complex, allowing for very large number of operational options

Visibility of the other industrial products

can't be declared as it is free of defects

Question 9

Complete

Marked out of 1

Assuring that the software will meet the functional and quality requirements is one of quality control activities objectives

Select one:

- ☐ True
- ☒ False

Question 10

Complete

Marked out of 1

___ defines software quality as the degree to which a system, component, or process meets customer or user needs or expectations.

Select one:

- ☐ a. Juran
- ☐ b. IEE
- ☐ c. Crosby
- ☒ d. Pressman

Question 11

Complete

Marked out of 1

The activities of software development and maintenance need to cope with:

Select one:

- ☐ a. List of requirements
- ☐ b. The project budget
- ☐ c. The project timetable
- ☒ d. All of the above

Question 12

Complete

Marked out of 1

You should applied the SQA actions in your graduation project.

Select one:

- ☐ True
- ☒ False

Question 13

Complete

Marked out of 1

Th e following is an example of testable quality requirement:

The system should be easy to use by teachers and should be organized in such a way that user errors are minimized.

Select one:

- ☐ True
- ☒ False

Question 14

Complete

Marked out of 1

_____ is the great variety of issues related to the various attributes of software and its use and maintenance

Select one:

- ☐ a. Quality factors
- ☒ b. Product development factors
- ☐ c. usability requirement
- ☐ d. Products operation factors

Question 15

Complete

Marked out of 1

Software developers has to cooperate continuously with the customer to

Select one:

- ☐ a. add functionality
- ☐ b. remove functionality
- ☐ c. consider his request for change
- ☒ d. None of the above

Question 16

Complete

Marked out of 1

The process activities are used as process phases on existing components in :

- ☐ a. Reuse-oriented software engineering
- ☐ b. Incremental Development Model
- ☐ c. Waterfall Model
- ☒ d. All the above

Question 17

Complete

Marked out of 1

___ is a set of activities carried out with the main objective of withholding products from shipment if they do not qualify

Select one:

- ☒ a. Software quality
- ☐ b. Quality factor
- ☐ c. Quality control
- ☐ d. SQA

Question 18

Complete

Marked out of 1

___ can be defined as "Conformance to explicitly stated functional and performance requirements, explicitly documented development standards, and implicit characteristics that are expected of all professionally developed software"

Select one:

- ☐ a. Quality control
- ☐ b. In IEEE, Software quality
- ☒ c. Software quality
- ☐ d. Software quality assurance

Question 19

Complete

Marked out of 1

The _____ deals with those requirements that affect the complete range of software maintenance activities

Select one:

- ☐ a. Product development factors
- ☐ b. Product transition factors
- ☐ c. Products operation factors
- ☒ d. None of the above

Question 20

Complete

Marked out of 1

The software engineering activity that comes with the software design is:

- ☐ a. Software Specification
- ☐ b. Software Evolution
- ☒ c. Software Testing
- ☐ d. Software Development

Question 21

Complete

Marked out of 1

The fundamental process activities are used as separated process phases in :

- ☐ a. Waterfall Model
- ☐ b. Incremental Development Model
- ☐ c. Reuse-oriented software engineering
- ☒ d. All the above

Question 22

Complete

Marked out of 1

The most important elements for achieving software quality is the definition of quality requirements

Select one:

- ☐ True
- ☒ False

Question 23

Complete

Marked out of 1

Example of flexibility requirements is

Select one:

- ☐ a. All of the above
- ☒ b. None of the above
- ☐ c. Processing power (MIPS, MHz)
- ☐ d. Storage capacity (GBytes, TBytes)

Question 24

Complete

Marked out of 1

SQA actions should not be limited to the technical aspects of the functional requirements

Select one:

- ☐ True
- ☒ False

Question 25

Complete

Marked out of 1

Defects in software products can be detected by sight

Select one:

- ☐ True
- ☒ False

Question 26

Complete

Marked out of 1

SQA actions are for software development armatures

Select one:

- ☐ True
- ☒ False

Question 27

Complete

Marked out of 1

DR committee results include

Select one:

- ☐ a. Immediate approval
- ☐ b. Approval
- ☐ c. An additional DR is required
- ☒ d. All of the above

Question 28

Complete

Marked out of 1

The categories of differences between software and other industrial products are :

- ☒ a. visibility
- ☒ b. requirements engineering
- ☒ c. complexity
- ☒ d. development process

Question 29

Complete

Marked out of 1

Product revision factors include

Select one:

- ☐ a. Portability
- ☐ b. Interoperability
- ☐ c. Reliability
- ☒ d. Maintainability

Question 30

Complete

Marked out of 1

_____ expressed in the appropriate measurable terms

Select one:

- ☐ a. Quality requirements
- ☐ b. Software maintenance
- ☒ c. None of the above
- ☐ d. Functional requirements