

Started on Thursday, 8 February 2024, 12:01 PM**State** Finished**Completed on** Thursday, 8 February 2024, 12:29 PM**Time taken** 27 mins 40 secs**Question 1**

Complete

Marked out of 1

Direct objective of the corrective maintenance is the enhancement and improvement of existing software with respect to locally limited issues

Select one:

- ☐ True
- ☒ False

Question 2

Complete

Marked out of 1

All software error end with software faults

Select one:

- ☐ True
- ☒ False

Question 3

Complete

Marked out of 1

The software engineering activity that comes with the software checking to ensure that it is what the customer requires is:

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

Question 4

Complete

Marked out of 1

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

Select one:

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

Question 5

Complete

Marked out of 1

The manufacturing of software is limited to copying the product and printing copies of the software manuals.

Select one:

- ☐ True
- ☒ False

Question 6

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 7

Complete

Marked out of 1

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

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

Question 8

Complete

Marked out of 1

Example of flexibility requirements is

Select one:

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

Question 9

Complete

Marked out of 1

The root of any software failure is

Select one:

- ☐ a. Software testing
- ☒ b. none of the above
- ☐ c. Software defect
- ☐ d. Software fault

Question 10

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 11

Complete

Marked out of 1

Opportunities to detect software defects arise in :

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

Question 12

Complete

Marked out of 1

The main characteristics of the environment of professional software development and maintenance are:

Select one:

- ☐ a. Interfaces with other software systems
- ☐ b. Required teamwork
- ☒ c. All of the above
- ☐ d. Contractual conditions

Question 13

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

Question 14

Complete

Marked out of 1

SQA actions are for students whos develop software as part of their education

Select one:

- ☐ True
- ☒ False

Question 15

Complete

Marked out of 1

Direct objective of the functionality improvement maintenance is the detection of software faults and other failures

Select one:

- ☐ True
- ☒ False

Question 16

Complete

Marked out of 1

The first three fundamental process activities are interleaved process phases in :

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

Question 17

Complete

Marked out of 1

Causes of software errors include

Select one:

- ☐ a. Omission of required software system states
- ☐ b. Omission system reaction to illegal operation
- ☐ c. False definition of boundary conditions.
- ☒ d. All of the above

Question 18

Complete

Marked out of 1

Software components include

Select one:

- ☒ a. All of the above
- ☐ b. Computer programs and procedures
- ☐ c. data necessary to the operation of a computer system
- ☐ d. possible associated documentation

Question 19

Complete

Marked out of 1

"Read and Write" permit is an example of:

Select one:

- ☐ a. Efficiency requirement
- ☐ b. Reliability requirement
- ☐ c. Integrity requirement
- ☒ d. none of the above

Question 20

Complete

Marked out of 1

The 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 21

Complete

Marked out of 1

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

Select one:

- ☐ True
- ☒ False

Question 22

Complete

Marked out of 1

Degree of software complexity compared to other industrial products is:

- ☐ a. Much higher
- ☒ b. no such comparison
- ☐ c. Equal
- ☐ d. Much lower

Question 23

Complete

Marked out of 1

_____ expressed in the appropriate measurable terms

Select one:

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

Question 24

Complete

Marked out of 1

Dimensions for correctness factor include

Select one:

- ☐ a. The output mission
- ☐ b. The required accuracy of those outputs
- ☐ c. The completeness of the output information
- ☒ d. All of the above

Question 25

Complete

Marked out of 1

Software faults are activated software error

Select one:

- ☐ True
- ☒ False

Question 26

Complete

Marked out of 1

___ includes activities whose main objective is the withholding of any product that does not qualify

Select one:

- ☐ a. Quality control
- ☐ b. Software quality
- ☐ c. SQA
- ☒ d. None of the above

Question 27

Complete

Marked out of 1

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

Select one:

- ☐ True
- ☒ False

Question 28

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

Question 29

Complete

Marked out of 1

The degree to which a system, component, or process meets the customer or user needs or expectations, which are the specified functional and non-functional requirements is called:

- ☐ a. SQA
- ☐ b. Software Testing
- ☒ c. Software Quality
- ☐ d. Software Validation

Question 30

Complete

Marked out of 1

You should applied the SQA actions in your graduation project.

Select one:

- ☐ True
- ☒ False