

Started on Thursday, 8 February 2024, 12:01 PM**State** Finished**Completed on** Thursday, 8 February 2024, 12:30 PM**Time taken** 29 mins 17 secs**Question 1**

Complete

Marked out of 1

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

Select one:

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

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 an agreement between customers and engineers about the functions of the software to be developed and the constraints on its operation is:

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

Question 4

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 5

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

Question 6

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

Question 7

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 8

Complete

Marked out of 1

The adaptation of software to other environments and it's interactions with, is delt by:

Select one:

- ☒ a. Product transition factors
- ☐ b. Products operation factors
- ☐ c. Product development factors
- ☐ d. Product revision factors

Question 9

Complete

Marked out of 1

_____ can be defined as a systematic, planned set of actions necessary to provide adequate confidence that the software development process or the maintenance process of a software system product conforms to established functional technical requirements as well as with the managerial requirements of keeping the schedule and operating within the budgetary limits

Select one:

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

Question 10

Complete

Marked out of 1

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

Select one:

- ☒ True
- ☐ False

Question 11

Complete

Marked out of 1

SQA actions are for software development armatures

Select one:

- ☒ True
- ☐ False

Question 12

Complete

Marked out of 1

Product revision factors include

Select one:

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

Question 13

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

Question 14

Complete

Marked out of 1

The fundamental differences between software products and other products are

Select one:

- ☐ a. Software is of higher product complexity
- ☐ b. visibility of software
- ☐ c. the nature of the maintenance process
- ☒ d. All of the above

Question 15

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 16

Complete

Marked out of 1

Software faults are activated software error

Select one:

- ☒ True
- ☐ False

Question 17

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 18

Complete

Marked out of 1

The set of software that provide automated supporting to one or more of software engineering activities while develop software is:

- ☐ a. Computer Aided Software Engineering (CASE)
- ☒ b. Software Engineering Process
- ☐ c. Computer Aided Design (CAD)
- ☐ d. Computer Aided Manufacturing (CAM)

Question 19

Complete

Marked out of 1

Classify this errors to The causes of software errors which can be further classified as follows according to the stages of the software development process in which they occur.

Absence of vital requirements.

Documentation errors

Omission of software functions

Deliberate deviations from software requirements

Definitions that represent software requirements by means of erroneous algorithms

Logical design errors

Failures to document and report detected errors and faults.

Faulty requirements definition

Question 20

Complete

Marked out of 1

Match the following:

The computer programs, procedures, and possible associated documentation and data necessary to the operation of a computer system are the components of:

Software

The activated software faults are termed as:

Software errors

some of software errors turn to

software faults

The development documentation includes:

the requirements and the design documents

The poor software quality is caused by:

Software failures

Question 21

Complete

Marked out of 1

The software engineering activity that comes with the software modifications that reflect changing customer and market requirements is:

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

Question 22

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 Validation
- ☐ c. Software Specification
- ☐ d. Software Development

Question 23

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 24

Complete

Marked out of 1

Example of flexibility requirements is

Select one:

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

Question 25

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 26

Complete

Marked out of 1

The ISO 9000 family addresses only aspects of software quality management

Select one:

- ☐ True
- ☒ False

Question 27

Complete

Marked out of 1

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

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

Question 28

Complete

Marked out of 1

Degree of software complexity compared to other industrial products is:

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

Question 29

Complete

Marked out of 1

The causes of software errors can be classified as

Select one:

- ☐ a. Deliberate deviations from software requirements
- ☐ b. Coding error
- ☐ c. Logical design errors
- ☒ d. All of the above

Question 30

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