



Virtual University

About Us

CS605  
Solved Final Term Paper 1

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بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

In the Name of Allāh, the Most Gracious, the Most Merciful

### Paper Pattern

MCQS 40 each 1 mark  
Short 4 each 2 marks  
Short 4 each 3 marks  
long 4 each 5 marks

Question No : 1 of 52

Marks: 1 (Budgeted Time 1 Min)

\_\_\_\_\_ is a document driven model because a set of documents is produced at each level of the model.

Answer ( Please select your correct option )

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- ☐ Waterfall model
- ☐ Rapid Prototyping Model
- ☐ Incremental Model
- ☐ None of the given

correct

Made by: Waqar Siddhu

Question No : 2 of 52

Marks: 1 (Budgeted Time 1 Min)

Defect Removal Efficiency can be increased by

Answer ( Please select your correct option )

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- ☐ Identifying the defect in early stages of development so that it may not be amplified
- ☐ Identifying the defect in the later stages of project
- ☐ By performing the testing activity only
- ☐ By increasing the team member in a team

correct

Made by: Waqar Siddhu



Question No : 3 of 52

Marks: 1 (Budgeted Time 1 Min)

When a software is delivered to a client and then client reports the bug in it then that bug is termed as

Answer ( Please select your correct option )

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☐ Error

☐ Defect

correct

☐ Mistake

☐ Fault

Made by: Waqar Siddhu

Question No : 4 of 52

Marks: 1 (Budgeted Time 1 Min)

Poka Yoke is the name of a

Answer ( Please select your correct option )

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☐ Japanese dish

☐ QA technique

correct

☐ Idiom

☐ Idiom

☐ None of the given

Made by: Waqar Siddhu

Question No : 5 of 52

Marks: 1 (Budgeted Time 1 Min)

The spiral model of software development

Answer ( Please select your correct option )

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☐ Ends with the delivery of the software product

☐ Is more chaotic than the incremental model

☐ Includes project risks evaluation during each iteration

☐ All of the given

Made by: Waqar Siddhu



Question No : 6 of 52

Marks: 1 (Budgeted Time 1 Min)

Any delay in \_\_\_\_\_ path makes the whole project delayed.

Answer ( Please select your correct option )

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☐ Logical

☐ Neural

☐ Critical

correct

☐ Physical

Made by: Waqar Siddhu

Question No : 7 of 52

Marks: 1 (Budgeted Time 1 Min)

Quality has a direct and indirect cost in the form of cost of

Answer ( Please select your correct option )

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☐ All of the given options

☐ Prevention, appraisal, and failure

correct

☐ People, process, and product

☐ Customers, developers, and maintenance

Made by: Waqar Siddhu

Question No : 8 of 52

Marks: 1 (Budgeted Time 1 Min)

A \_\_\_\_\_ is a unique user recognizable, non-repeated field.

DET Definition

A data element type is a unique user recognizable, non-repeated field.

Answer ( Please select your correct option )

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☐ Record Element Type

☐ Data Element Type

correct

☐ External Input

☐ External Query

Made by: Waqar Siddhu



Question No : 9 of 52

Marks: 1 (Budgeted Time 1 Min)

Although there are many different models developed by different researchers for estimation, all of them share which one of the following basic structure

Answer ( Please select your correct option )

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☐ E = 3.2 (KLOC)<sup>1.05</sup>

☐ E = A + B \* (ev)<sup>C</sup>

correct

☐ E = [LOC \* B<sup>0.333/P</sup>] \* (1/t<sup>4</sup>)

☐ None of the given

Made by: Waqar Siddhu

Question No : 10 of 52

Marks: 1 (Budgeted Time 1 Min)

Two tools for computing critical path and project completion times from activity networks are

Answer ( Please select your correct option )

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☐ CPM and PERT

correct

☐ DRE and SQA

☐ FP and LOC

☐ ASD and BSD

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Question No : 11 of 52

Marks: 1 (Budgeted Time 1 Min)

Timeline chart is also known as the \_\_\_\_\_ chart

Answer ( Please select your correct option )

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☐ Gantt

correct

☐ PERT

☐ FREE LANCE

☐ None of the given options

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Question No : 12 of 52

Marks: 1 (Budgeted Time 1 Min)

The purpose of earned value analysis is to:

Answer ( Please select your correct option )

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☐

Determine how to compensate developers based on their productivity

☐

Provide a quantitative means of assessing software project progress

correct

☐

Provide a qualitative means of assessing software project progress

☐

Set the price point for a software product based on development effort

Made by: Waqar Siddhu

Question No : 13 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is/are implicit requirement(s) of software?

Answer ( Please select your correct option )

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☐

Ease of use

correct

☐

Efficiency

not mention

☐

Maintainability

correct

☐

All of the given options

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Question No : 14 of 52

Marks: 1 (Budgeted Time 1 Min)

A key concept of quality control is that all work products:

Note: Select most appropriate.

no idea

Answer ( Please select your correct option )

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☐

Are delivered on time and under budget

☐

Have complete documentation

☐

Have measurable specifications for process outputs

☐

Are thoroughly tested before delivery to the customer

Made by: Waqar Siddhu



Question No : 15 of 52

Marks: 1 (Budgeted Time 1 Min)

Mean Time To Repair (MTTR) is the

Answer ( Please select your correct option )

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☐

Time taken to fix the error

☐

Time taken to repair the software

correct

☐

All of the given options

☐

Time when system remained unable for usage

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Question No : 16 of 52

Marks: 1 (Budgeted Time 1 Min)

Poka Yoke is Japanese term and it means

Answer ( Please select your correct option )

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☐

Mistake Proofing

correct

☐

Stake Handling

☐

Resource Scheduling

☐

Time Allocation

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Question No : 17 of 52

Marks: 1 (Budgeted Time 1 Min)

Software configuration management is used to

Answer ( Please select your correct option )

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☐

Manage change in the software

correct

☐

Mange the financials accounts in an organization

☐

Manage the administration of company

☐

All of the given options

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Question No : 18 of 52

Marks: 1 (Budgeted Time 1 Min)

We can include following items during configuration item identification:

Answer ( Please select your correct option )

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☐ User Manuals and Documentations

☐ Source Code

☐ Software Requirement Specifications

☐ All of the given options

correct

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Question No : 19 of 52

Marks: 1 (Budgeted Time 1 Min)

Change Request is submitted by the \_\_\_\_\_

Answer ( Please select your correct option )

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☐ Tester

☐ Developer

☐ Client

☐ None of the given options

correct

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Question No : 20 of 52

Marks: 1 (Budgeted Time 1 Min)

The management of creeping requirements is important for the ease of

Answer ( Please select your correct option )

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☐ Maintenance

☐ Development

☐ Testing

☐ All of the given options

correct

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Question No : 21 of 52

Marks: 1 (Budgeted Time 1 Min)

Requirement management consists of the phase(s)

nai pta

Answer ( Please select your correct option )

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- ☐ Requirement elicitation
- ☐ Requirement organization
- ☐ Requirement documentation
- ☐ All of the given options

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Question No : 22 of 52

Marks: 1 (Budgeted Time 1 Min)

The goal of software development is to develop ----- software, on time and on budget.

Answer ( Please select your correct option )

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- ☐ Quality
- ☐ Budgeted
- ☐ User friendly
- ☐ Complete

correct

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Question No : 23 of 52

Marks: 1 (Budgeted Time 1 Min)

While assessing a legacy system for further decision, one should decide the following about the supplier

Answer ( Please select your correct option )

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- ☐ Is supplier still in existence?
- ☐ Is supplier still in business?
- ☐ Is supplier can provide support?
- ☐ All of the given options

correct

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Question No : 24 of 52

Marks: 1 (Budgeted Time 1 Min)

Following factors should be considered while assessing the legacy system except:

Answer ( Please select your correct option )

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☐ Age of hardware and software

☐ Failure rate

☐ Support requirement

☐ None of the given options

correct

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Question No : 25 of 52

Marks: 1 (Budgeted Time 1 Min)

\_\_\_\_\_ is the process of Design recovery. At this stage the documentation of the overall functionality is created.

Answer ( Please select your correct option )

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☐ Database Engineering

☐ Reverse Engineering

correct

☐ Refactoring

☐ Forward Engineering

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Question No : 26 of 52

Marks: 1 (Budgeted Time 1 Min)

\_\_\_\_\_ requires application of SE principles, methods, and concepts to re-create an existing application.

Forward engineering requires application of SE principles, methods, and concepts to re-create an existing application.

Answer ( Please select your correct option )

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☐ Reverse Engineering

☐ Business Engineering

☐ Business Process Engineering

☐ Forward Engineering

correct

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Question No : 27 of 52

Marks: 1 (Budgeted Time 1 Min)

The need for business process re-engineering arrives because the

out of course

Answer ( Please select your correct option )

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☐

Way to conduct business changes

☐

Income of the company increases

☐

Company want to become popular

☐

Way of programming changes with time

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Question No : 28 of 52

Marks: 1 (Budgeted Time 1 Min)

\_\_\_\_\_ is a bad smell when a change requires lots of little changes in a lot of different classes.

Answer ( Please select your correct option )

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☐

Short gun surgery

correct

☐

Debugging

☐

Large class

☐

Lazy class

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Question No : 29 of 52

Marks: 1 (Budgeted Time 1 Min)

If you find the code such that one type of change requires changing one subset of method, another type of change requires changing another subset then it is a symptom of

Answer ( Please select your correct option )

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☐

Divergent change

correct

☐

Duplicated code

☐

Large class

☐

Lazy class

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Question No : 30 of 52

Marks: 1 (Budgeted Time 1 Min)

With a complex class you have to move data and methods around in small pieces to avoid errors, it seems slow but it is the ..... because you avoid debugging

Answer ( Please select your correct option )

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☐ Problem

☐ None of the given options

☐ Slowest

☐ Quickest

correct

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Question No : 31 of 52

Marks: 1 (Budgeted Time 1 Min)

Level ..... is the highest capability level of CMMI

out of course

Answer ( Please select your correct option )

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☐ 1

☐ 0

☐ 5

correct

not 100%

☐ 6

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Question No : 32 of 52

Marks: 1 (Budgeted Time 1 Min)

Level ..... is the lowest capability level of CMMI in Continuous representation

out of course

Answer ( Please select your correct option )

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☐ 5

☐ 6

☐ 1

☐ 0

corre

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Question No : 33 of 52

Marks: 1 (Budgeted Time 1 Min)

Quantitative process-improvement objectives for the organization are established, continually revised to reflect changing business objectives at CMM \_\_\_\_\_

Answer ( Please select your correct option )

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☐ Level 3

☐ Level 2

☐ Level 5

correct

☐ Level 1

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Question No : 34 of 52

Marks: 1 (Budgeted Time 1 Min)

Following are the components of a Legacy system except:

Answer ( Please select your correct option )

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☐ Business processes

☐ System hardware

☐ Marketing

correct

☐ Application software

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Question No : 35 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is NOT one of the components of software engineering framework?

Answer ( Please select your correct option )

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☐ Quality focus

☐ Methods

☐ Tools

☐ Design

correct

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Question No : 36 of 52

Marks: 1 (Budgeted Time 1 Min)

Project management is \_\_\_\_ intensive activity

Answer ( Please select your correct option )

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☐ People

correct

☐ Product

☐ Process

☐ Resource

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Question No : 37 of 52

Marks: 1 (Budgeted Time 1 Min)

According to Kraul and Steeter, "Email" is an example of \_\_\_\_ project coordination technique.

Answer ( Please select your correct option )

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☐ Formal, impersonal

☐ Formal, interpersonal

☐ Electronic communication

☐ Interpersonal networking

correct

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Question No : 38 of 52

Marks: 1 (Budgeted Time 1 Min)

In order to use the data for estimation and drawing conclusions, it must be \_\_\_\_

Answer ( Please select your correct option )

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☐ Filtered

☐ Base-lined

correct

☐ Stabilized

☐ Processed

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Question No : 39 of 52

Marks: 1 (Budgeted Time 1 Min)

In context of function point analysis, EQ stands for:

not sure

Answer ( Please select your correct option )

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☐ External Quotation

☐ External Inquiry

correct

☐ External Quality

☐ External Interface

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Question No : 40 of 52

Marks: 1 (Budgeted Time 1 Min)

Risk mitigation involves

cheeking require

Answer ( Please select your correct option )

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☐ Reducing the impact of risk

correct

☐ Reducing the risk management plan

☐ Redesigning the contingency plan

☐ Performing the risk analysis again

Made by: Waqar Siddhu

Question No : 41 of 52

Marks: 2 (Budgeted Time 4 Min)

Identify the "Staged CMM" from the following list.

- a) Software CMM
- b) System Engineering CMM
- c) IPD-CMM

Answer ( Please click here to Add Answer )

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Question No : 42 of 52

Marks: 2 (Budgeted Time 4 Min)

Discuss the term "Compartmentalization" in context of a realistic schedule.

Answer ( [Please click here to Add Answer](#) )

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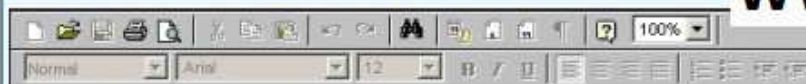
Question No : 43 of 52

Marks: 2 (Budgeted Time 4 Min)

When a system will be called a "Legacy system"?

Answer ( [Please click here to Add Answer](#) )

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Question No : 44 of 52

Marks: 2 (Budgeted Time 4 Min)

During the Formal Technical Review (FTR) meeting, the recorder notes all the issues. They are summarized at the end and a review issue list is prepared. List down some of the points that must be included in this list.

Answer ( [Please click here to Add Answer](#) )

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Question No : 45 of 52

Marks: 3 (Budgeted Time 6 Min)

Write down some guidelines to make a review meeting successful.

Answer ( [Please click here to Add Answer](#) )

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Question No : 46 of 52

Marks: 3 (Budgeted Time 6 Min)

We need to tag requirements with certain attributes in order to manage them in an orderly fashion. Name at least two (2) attributes.

Answer ( [Please click here to Add Answer](#) )

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Question No : 47 of 52

Marks: 3 (Budgeted Time 6 Min)

During program restructuring, we modify source code and data. What can be the potential benefit of this modification?

Answer ( [Please click here to Add Answer](#) )

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Question No : 48 of 52

Marks: 3 (Budgeted Time 6 Min)

A student claims that "quality assurance is an umbrella activity", Do you agree or not? State with reasons.

Answer ( [Please click here to Add Answer](#) )

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Made by: Waqar Siddhu

Question No : 49 of 52

Marks: 5 (Budgeted Time 10 Min)

List at-least two problems that can be faced by a software development organization if they are not having proper SCM in place?

Answer ( [Please click here to Add Answer](#) )

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Question No : 50 of 52

Marks: 5 (Budgeted Time 10 Min)

List at least two factors that make it difficult to develop a traceable requirement specification (SRS).

Note: try to provide precise, to the point answer, avoid unnecessary details.

Answer ( [Please click here to Add Answer](#) )

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Question No : 51 of 52

Marks: 5 (Budgeted Time 10 Min)

For a certain application

Suppose

P1 = current annual maintenance cost for an application = 200000

P2 = current annual operation cost for an application = 50000

Answer ( Please click here to Add Answer )

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Question No : 51 of 52

Marks: 5 (Budgeted Time 10 Min)

P2 = current annual operation cost for an application = 50000

P3 = current annual business value of an application = 400000

L = expected life of the system = 4 years

Calculate maintenance cost of the system

Answer ( Please click here to Add Answer )

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Question No : 52 of 52

Marks: 5 (Budgeted Time 10 Min)

For a project consider the following data:

	Probability	Cost to correct
Technical Risk	50%	1000\$
Business Risk	30%	2000\$
Support	10%	500\$

Answer ( Please click here to Add Answer )

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Question No : 52 of 52

Marks: 5 (Budgeted Time 10 Min)

Business Risk	30%	2000\$
Support	10%	500\$

Calculate the Risk Exposure for all the risks mentioned above and identify the top two (2) risks with respect to Risk Exposure.

Answer ( [Please click here to Add Answer](#) )

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