

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

(Start the day with the name of Allah)

Welcome To Virtual
University

Question # 1 of 10 (Start time: 02:57:47 AM, 21 June 2022)

_____ model is very sensitive to the risk.

Select the correct option

- | | |
|----------------------------------|-------------|
| <input checked="" type="radio"/> | Spiral |
| <input type="radio"/> | RAD |
| <input type="radio"/> | Waterfall |
| <input type="radio"/> | Incremental |

Question # 3 of 10 (Start time: 02:58:24 AM, 21 June 2022)

By default every organization is working at _____

Select the correct option



level 4



level 1



level 0



level 3

Question # 4 of 10 (Start time: 02:58:45 AM, 21 June 2022)

In Capability Maturity Model (CMM), _____ performs optimization.

Select the correct option



level 3



level 1



level 5



level 2

Question # 4 of 10 (Start time: 02:58:45 AM, 21 June 2022)

In Capability Maturity Model (CMM), _____ performs optimization.

Select the correct option



level 3



level 1



level 5



level 2

Question # 5 of 10 (Start time: 03:00:12 AM, 21 June 2022)

_____ deadline is one of the reasons of project failure.

Select the correct option



Feasible



Unrealistic



Achievable



Realistic

Question # 6 of 10 (Start time: 03:01:45 AM, 21 June 2022)

_____ can be a reason of project failure.

Select the correct option

- | | |
|----------------------------------|--------------------|
| <input type="radio"/> | Requirement |
| <input type="radio"/> | Small project size |
| <input type="radio"/> | Miscommunication |
| <input checked="" type="radio"/> | Realistic deadline |

Question # 7 of 10 (Start time: 03:03:08 AM, 21 June 2022)

MOI model of leadership was developed by _____.

Select the correct option



Don Carlos



Newton



Edison



Weinberg

Question # 8 of 10 (Start time: 03:03:27 AM, 21 June 2022)

_____ phase in a software process focuses on change.

Select the correct option

- | | |
|----------------------------------|-------------|
| <input type="radio"/> | Development |
| <input checked="" type="radio"/> | Maintenance |
| <input type="radio"/> | Vision |
| <input type="radio"/> | Definition |

Question # 9 of 10 (Start time: 03:04:34 AM, 21 June 2022)

_____ model is a haphazard type of software development activity.

Select the correct option



Prototyping



Water fall



Incremental



Build and Fix

Question # 10 of 10 (Start time: 03:05:24 AM, 21 June 2022)

Software Engineering is the set of _____ and _____ to develop software.

Select the correct option



processes, tools



classes ,objects



tools, objects



languages , processes

Question # 1 of 10 (Start time: 03:22:27 AM, 21 June 2022)

Capability Maturity Model (CMM) is used to judge the _____ level of an organization

Select the correct option



efficiency



maturity



performance



productivity

Question # 2 of 10 (Start time: 03:23:07 AM, 21 June 2022)

In _____ team organization, there is no permanent leader rather there are task coordinators.

Select the correct option



Controlled Centralized



Controlled Decentralized



Synchronous paradigm



Democratic Decentralized

Question # 3 of 10 (Start time: 03:24:08 AM, 21 June 2022)

_____ model is developed keeping in mind the element of risk in the development of software

Select the correct option

- | | |
|----------------------------------|---------------------------|
| <input type="radio"/> | RAD |
| <input type="radio"/> | Incremental |
| <input checked="" type="radio"/> | Spiral |
| <input type="radio"/> | Synchronize and Stabilize |

Question # 3 of 10 (Start time: 03:24:08 AM, 21 June 2022)

_____ model is developed keeping in mind the element of risk in the development of software

Select the correct option



RAD



Incremental



Spiral



Synchronize and Stabilize

Question # 4 of 10 (Start time: 03:24:39 AM, 21 June 2022)

A mock up application is developed in _____ model to get user feedback.

Select the correct option



fountain



object oriented



waterfall



rapid prototype

Question # 5 of 10 (Start time: 03:25:30 AM, 21 June 2022)

Software Engineering is the set of _____ and _____ to develop software.

Select the correct option



classes ,objects



processes, tools



languages , processes



tools, objects

Question # 6 of 10 (Start time: 03:25:44 AM, 21 June 2022)

_____ deadline is one of the reasons of project failure.

Select the correct option



Achievable



Feasible



Realistic



Unrealistic

Question # 7 of 10 (Start time: 03:25:58 AM, 21 June 2022)

The important feature of extreme programming is the concept of _____.

Select the correct option



Requirement elicitation



Feedback



Risk assessment



Pair programming

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امید کرتا ہوں سب خیریت سے ہوں گئے۔ آنے والے تمام نیو طالب علم کو میں درچونل یونیورسٹی آف پاکستان میں خوش آمدید کرتا ہوں۔
اگر کسی سٹوڈنٹ کو کسی بھی قسم کی ہیلپ چاہے ہو تو ہم سے رابطہ کر سکتا ہے جیسا کہ: پاسٹ پیپرز، کورس سلیکشن، پروجیکٹ سلیکشن، ڈیٹ شیٹ،
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سکتا ہے کوشش کرے کے آپ ہر چیز خود اٹیمپٹ کریں اگر نہیں کر سکتے تو سروس حاصل کریں۔

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مزید اگر کسی رہنمائی کی ضرورت ہو تو وہ رابطہ کر سکتا ہے۔

Question # 8 of 10 (Start time: 03:26:17 AM, 21 June 2022)

MOI model of leadership stands for

Select the correct option



Misunderstanding , Object, Ideas



Motivation , Organization , Innovation



Miscommunication , Organization, Invention



Motivation , Operationalize ,Integration

Question # 9 of 10 (Start time: 03:27:06 AM, 21 June 2022)

W5HH Principle consists of seven _____.

Select the correct option



steps



answers



points



questions

Question # 10 of 10 (Start time: 03:28:12 AM, 21 June 2022)

The _____ dimension in rational unified process model represents the dynamic aspect of the process.

Select the correct option

- | | |
|----------------------------------|------------|
| <input checked="" type="radio"/> | Horizontal |
| <input type="radio"/> | Regular |
| <input type="radio"/> | Angular |
| <input type="radio"/> | Vertical |

Question # 1 of 10 (Start time: 03:29:35 AM, 21 June 2022)

Software process and product quality are controlled at _____.

Select the correct option

- | | |
|----------------------------------|---------------|
| <input checked="" type="radio"/> | level-4 |
| <input type="radio"/> | level-3 |
| <input type="radio"/> | initial level |
| <input type="radio"/> | level 1 |

Question # 2 of 10 (Start time: 03:29:51 AM, 21 June 2022)

Effective software project management focuses on the four P's: These are

Select the correct option



People , Passion , Planning , Project



People , Product , Process , Project



People , Passion , Process , Project



People , Product , Process , Problem

Question # 3 of 10 (Start time: 03:30:37 AM, 21 June 2022)

Continuous process improvement is enabled by _____ feedback from the _____.

Select the correct option



logical, process



analytical , user



qualitative , process



mathematical, user

Question # 4 of 10 (Start time: 03:30:59 AM, 21 June 2022)

If an employee number which appears twice in an ILF/EIF , count the DET _____.

Select the correct option



thrice



null



once



twice

Question # 1 of 10 (Start time: 09:00:23 PM, 21 June 2022)

_____ deadline is one of the reasons of project failure.

Select the correct option



Feasible



Achievable



Realistic



Unrealistic

Question # 2 of 10 (Start time: 09:01:01 PM, 21 June 2022)

_____ is an object-oriented lifecycle model.

Select the correct option



Extreme programming



Spiral model



Waterfall model



Fountain model

Question # 3 of 10 (Start time: 09:01:19 PM, 21 June 2022)

_____ is the ability to encourage technical people to produce to their best.

Select the correct option

- | | |
|----------------------------------|-------------|
| <input checked="" type="radio"/> | Motivation |
| <input type="radio"/> | Innovation |
| <input type="radio"/> | Creation |
| <input type="radio"/> | Improvement |

Question # 4 of 10 (Start time: 09:01:33 PM, 21 June 2022)

Continuous process improvement is enabled by _____ feedback from the _____.

Select the correct option



qualitative , process



logical, process



analytical , user



mathematical, user

Question # 5 of 10 (Start time: 09:01:57 PM, 21 June 2022)

Requirements are sometimes fill with defects, normally known as _____requirements.

Select the correct option



Functional requirements



Non-functional requirements



Toxic requirement



System requirements

Question # 6 of 10 (Start time: 09:02:43 PM, 21 June 2022)

An _____ is a user identifiable group of logically related data or control information referenced by the application.

Select the correct option

<input type="radio"/>	ILF
<input type="radio"/>	Item
<input type="radio"/>	Object
<input checked="" type="radio"/>	EIF

Question # 7 of 10 (Start time: 09:03:00 PM, 21 June 2022)

The primary difference between an internal logical file and an external interface file is that _____ is not maintained by the application being counted.

Select the correct option

<input type="radio"/>	DET
<input checked="" type="radio"/>	EIF
<input type="radio"/>	RET
<input type="radio"/>	ILF

Question # 10 of 10 (Start time: 09:04:04 PM, 21 June 2022)

Caper Jones divided software related activities into _____ different categories.

Select the correct option



35



40



25



20

Question # 5 of 10 (Start time: 03:32:03 AM, 21 June 2022)

Reel has defined _____ steps process to improve the chances of success.

Select the correct option

- | | |
|----------------------------------|---|
| <input type="radio"/> | 4 |
| <input checked="" type="radio"/> | 5 |
| <input type="radio"/> | 3 |
| <input type="radio"/> | 8 |

Question # 6 of 10 (Start time: 03:32:16 AM, 21 June 2022)

W5HH Principle consists of seven _____.

Select the correct option



points



questions



answers



steps

Question # 7 of 10 (Start time: 03:32:22 AM, 21 June 2022)

_____ model is adopted by Microsoft

Select the correct option

- | | |
|----------------------------------|---------------------------|
| <input checked="" type="radio"/> | Synchronize and Stabilize |
| <input type="radio"/> | RAD |
| <input type="radio"/> | Build and Fix |
| <input type="radio"/> | Spiral |

Question # 8 of 10 (Start time: 03:32:44 AM, 21 June 2022)

The _____ dimension in rational unified process model represents the dynamic aspect of the process.

Select the correct option



Angular



Horizontal



Vertical



Regular

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Question # 9 of 10 (Start time: 03:33:01 AM, 21 June 2022)

In _____, there is both vertical and horizontal communication.

Select the correct option



Controlled centralized (CC)



Democratic decentralized (DD)



Controlled decentralized (CD)



Synchronous paradigm (SP)

Question # 10 of 10 (Start time: 03:33:46 AM, 21 June 2022)

Vision phase in a software process focuses on _____.

Select the correct option



Change



How



What



Why

Question # 2 of 10 (Start time: 01:02:53 PM, 29 June 2022)

In context of moving range and individual control charts, UNPL stands for:

Select the correct option



Universal Natural Process Line



Upper Natural Process Limit



Upper Natural Process Line



Universal Natural Process Limit

Question # 3 of 10 (Start time: 01:03:36 PM, 29 June 2022)

Which of the following is not a software measure?

Select the correct option



No. of function points



Lines of Code



Defects per function point



No. of defects

Question # 4 of 10 (Start time: 01:04:45 PM, 29 June 2022)

Extent to which access to software or data by unauthorized persons can be controlled, is called

Select the correct option



Efficiency



Reliability



Integrity



None of given

Question # 4 of 10 (Start time: 01:04:45 PM, 29 June 2022)

Extent to which access to software or data by unauthorized persons can be controlled, is called _____

Select the correct option



Efficiency



Reliability



Integrity



None of given

Question # 5 of 10 (Start time: 01:05:00 PM, 29 June 2022)

Which of the following is not related to "Software Project Planning".

Select the correct option



Resources requirements



Risk analysis and planning



Software configuration management



Software scope estimation

Question # 6 of 10 (Start time: 01:06:09 PM, 29 June 2022)

FAST is a team-oriented approach to requirement gathering, the term FAST stands for:

Select the correct option



Field Applied Science Technique



Fact Associated Special Talk



Fast Application Security Technique



Facilitated Application Specification Techniques

Question # 7 of 10 (Start time: 01:06:48 PM, 29 June 2022)

In the context of statistical models, COCOMO stands for:

Select the correct option



Conductive Cold Model



Commutative Conduct Model



Computer Company Model



Constructive Cost Model

Question # 7 of 10 (Start time: 01:06:48 PM, 29 June 2022)

In the context of statistical models, COCOMO stands for:

Select the correct option



Conductive Cold Model



Commutative Conduct Model



Computer Company Model



Constructive Cost Model

Question # 8 of 10 (Start time: 01:07:17 PM, 29 June 2022)

If we plot a graph between defects reported, and defects fixed then:

Select the correct option



Difference between defects reported and fixed will show the defects yet to be fixed



This graph will show that some requirements are ambiguous



We can not draw any information from that graph



This graph will show that the defect detection process is not accurate

Question # 9 of 10 (Start time: 01:08:12 PM, 29 June 2022)

A _____ provides a quantitative value of some attribute of a process or a product.

Select the correct option

<input type="radio"/>	Metric
<input type="radio"/>	Function point
<input checked="" type="radio"/>	Measure
<input type="radio"/>	Plan

Question # 1 of 10 (Start time: 01:10:39 PM, 29 June 2022)

Certain reusable software components were to be developed by a/an ----- having no knowledge of its internal design standards.

Select the correct option

<input checked="" type="radio"/>	3rd party
<input type="radio"/>	2nd party
<input type="radio"/>	Quality Assurance Team
<input type="radio"/>	In-house

Question # 2 of 10 (Start time: 01:11:29 PM, 29 June 2022)

Which of the following is a software measure.

Select the correct option



Defects per function point



No. of defects per KLOC (Kilo lines of code)



No. of test cases per function point



No. of defects

Question # 4 of 10 (Start time: 01:13:12 PM, 29 June 2022)

Effort required to test a program to ensure that it performs its intended function _____

Select the correct option



Security



Testability



Bug fixing



Debugging

Question # 5 of 10 (Start time: 01:13:24 PM, 29 June 2022)

_____ give you a better insight into the state of the process or product.

Select the correct option



Exceptions



Threats



Metrics



Errors

Question # 6 of 10 (Start time: 01:13:38 PM, 29 June 2022)

Metrics to assess the quality of the analysis models and the corresponding software specification were proposed by _____

Select the correct option



Ricardo in 1993



Davis in 1993



Davis in 1990



in 1993- 1999.

Question # 7 of 10 (Start time: 01:14:04 PM, 29 June 2022)

The most famous of Empirical models is the COCOMO - Constructive Cost Model - model. It also has many different versions. Which one is the simplest of these versions ?

Select the correct option



$$E = [LOC \times 0.333/P]^{3 \times (1/t^4)}$$



$$E = A + B * (ev)C$$



$$E = (3.2/KLOC) + 1.05 + A$$



$$E = 3.2 (KLOC)^{1.05}$$

Question # 8 of 10 (Start time: 01:14:29 PM, 29 June 2022)

Which statement is correct?

Select the correct option



The lesser the dependency between the components the greater is coupling



Coupling does not depend on interdependency between components



The greater the dependency between the components the lesser is coupling



The greater the dependency between the components the greater is coupling

Question # 9 of 10 (Start time: 01:14:49 PM, 29 June 2022)

The extent to which a program can be expected to perform its intended function with required precision is called _____

Select the correct option

<input type="radio"/>	Portability
<input checked="" type="radio"/>	Reliability
<input type="radio"/>	Usability
<input type="radio"/>	Maintainability

Question # 10 of 10 (Start time: 01:15:00 PM, 29 June 2022)

.....technique was initially developed for manufacturing processes in the 1920's by Walter Shewart.

Select the correct option

<input type="radio"/>	Quality
<input checked="" type="radio"/>	Contorl chart
<input type="radio"/>	Upper Control Line
<input type="radio"/>	CMP

Question # 1 of 10 (Start time: 01:36:43 PM, 29 June 2022)

For a software the total number of requirements are equal to _____

Select the correct option



Domain Requirements



Functional Requirements



Functional Requirements+ Non Functional Requirements



Non functional Requirements

Question # 2 of 10 (Start time: 01:37:33 PM, 29 June 2022)

_____ is fundamental for providing mechanisms for objective evaluation of any process or activity.

Select the correct option

<input checked="" type="radio"/>	Measurement
<input type="radio"/>	Metrics
<input type="radio"/>	Indicators
<input type="radio"/>	Pointers

Question # 3 of 10 (Start time: 01:37:47 PM, 29 June 2022)

Which of the following is not a software metric?

Select the correct option



No. of errors per thousand lines of code



No. of test cases per function point



Defects per function point



No. of defects

Question # 4 of 10 (Start time: 01:38:47 PM, 29 June 2022)

Empirical models are statistical models and are based upon

Select the correct option



Current data



Statistical



Historic data



Control data

Question # 5 of 10 (Start time: 01:39:05 PM, 29 June 2022)

In context of moving range and individual control charts, UNPL stands for:

Select the correct option



Upper Natural Process Limit



Universal Natural Process Line



Upper Natural Process Line



Universal Natural Process Limit

Question # 6 of 10 (Start time: 01:39:31 PM, 29 June 2022)

A _____ provides a quantitative value of some attribute of a process or a product.

Select the correct option

<input type="radio"/>	Function point
<input type="radio"/>	Metric
<input checked="" type="radio"/>	Measure
<input type="radio"/>	Plan

Question # 7 of 10 (Start time: 01:39:42 PM, 29 June 2022)

Only ----- of the software components scheduled for reuse will, in fact, be ----- into the application. The remaining functionality will have to be custom developed.

Select the correct option



100%, integrated



70%, integrated



90%, integrated



80%, excluded

Question # 8 of 10 (Start time: 01:39:58 PM, 29 June 2022)

The most common way to determine the information needed to define project scope is to

Select the correct option



build a software prototype and show it to the customer



examine historical project data from similar applications



conduct a preliminary meeting with the customer



perform a market analysis to determine potential customers

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اگر کسی سٹوڈنٹ کو کسی بھی قسم کی ہیلپ چاہے ہو تو ہم سے رابطہ کر سکتا ہے جیسا کہ: پاسٹ پیپرز، کورس سلیکشن، پروجیکٹ سلیکشن، ڈیٹ شیٹ،
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Question # 9 of 10 (Start time: 01:40:51 PM, 29 June 2022)

_____ identifies the degree of uncertainty that the product will meet its requirements and be fit for its intended use.

Select the correct option



Schedule risks



Support risks



Cost risks



Performance risks

Question # 1 of 10 (Start time: 07:41:20 PM, 29 June 2022)

If the gap between the defects reported and defects fixed is decreasing, then it means that the product is in _____ condition.

Select the correct option

<input checked="" type="radio"/>	Unstable
<input type="radio"/>	Stable
<input type="radio"/>	Neutral
<input type="radio"/>	Defective

Question # 2 of 10 (Start time: 07:41:54 PM, 29 June 2022)

In case some software, it is extremely easy to operate with intuitive interface conforming to most excellent GUI practices of the industry. It needs very little training -----

Select the correct option



Less than five hour



Less than two hour



Less than ten hour



Less than one hour

Question # 3 of 10 (Start time: 07:42:34 PM, 29 June 2022)

The most famous of Empirical models is the COCOMO - Constructive Cost Model - model. It also has many different versions. Which one is the simplest of these versions ?

Select the correct option



$$E = (3.2/KLOC) + 1.05 + A$$



$$E = A + B * (ev)C$$



$$E = 3.2 (KLOC)^{1.05}$$



$$E = [LOC \times 0.333/P]^3 \times (1/t^4)$$

Question # 4 of 10 (Start time: 07:42:56 PM, 29 June 2022)

The extent to which a program satisfies its specification and fulfills the customer's mission objectives is said to be achieving the

Select the correct option



Efficiency



Correctness



Usability



Reliability

Question # 5 of 10 (Start time: 07:43:13 PM, 29 June 2022)

The most common way to determine the information needed to define project scope is to

Select the correct option



conduct a preliminary meeting with the customer



perform a market analysis to determine potential customers



examine historical project data from similar applications



build a software prototype and show it to the customer

Question # 7 of 10 (Start time: 07:45:54 PM, 29 June 2022)

_____ is the measure of how many defects are removed by the quality assurance processes before the product is shipped for operation.

Select the correct option



Bug Tracking Algorithm



Defect removal efficiency



Bug Report



Removal Deficiency

Question # 8 of 10 (Start time: 07:46:11 PM, 29 June 2022)

We need to employ some statistical techniques and plot the results ----- . These are known as statistical control techniques.

Select the correct option



Automatically



Graphically



Manually



Personally

Question # 9 of 10 (Start time: 07:46:35 PM, 29 June 2022)

_____ help in finding the matrix to be stable or unstable

Select the correct option



Cyclic chart



Directed Graph



Control chart



Base line graph

Question # 10 of 10 (Start time: 07:46:59 PM, 29 June 2022)

The amount of "computing resources" required by a program to perform its function is called

Select the correct option

<input checked="" type="radio"/>	Efficiency
<input type="radio"/>	Integrity
<input type="radio"/>	Portability
<input type="radio"/>	Reliability