National University of Computer and Emerging Sciences, Lahore Campus

T .million.	I O Names	Network Security	Course Code:	CS525
STATE OF THE STATE			Semester:	Spring 2020
	1	B8 (Computer Science)	Total Marks:	41
	Duration:	90 Minutes	Weight	20
	Paper Date:	11-03-2019		6
	Section:	•	Page(s):	
	Exam Type:	Midterm	O-stlam	

mer Student : Name:

Instruction/Notes:

- 1. Points for each question are roughly related to the time that needs to be spent on that question. Avoid spending excessive time on questions with less points and less time on questions with more points.
- 2. Any kind of dishonesty will result in a minimum penalty of F in the exam.

MCQ1. One of the empirical studies found out that if an error in the requirement phase is not corrected, it could result in as much as _____ rework cost (if corrected at later stages of development). (1)

- A) 10 times
- B) 50 times
- C) 100 times
- D) 200 times
- E) 300 times

MCQ2. Which of the following statements are true (1)

- i. Many requirements error are made -
- ii. Many of these errors are not detected early -
- iii. Many of these error are detected early
- iv. Some of these error are detected early
- v. Many of these errors can be detected early -
- vi. Many of these cannot be detected early
- vii. Requirements error are usually not very common

A) i, iii, v

- B) i, ii, iv, vi
- C) ii, jv, v, vii
- Di, ii, iv, v
- E) ii, iv, vi, vii

MCQ3. Gold-plating refers to the practice of (1)

- A) Assigning correctly the highest priority to a requirement
- B) Assigning incorrectly the highest priority to a requirement
- Defining a useless requirement not desired by the customer in the hopes of impressing them
- D) Taking a requirement and assigning it the highest importance





MCQ4. Following are the features that most customers do not want. Identify the one which a small percentage would want. (1) A) Undesirable performance characteristics B) Esthetic features C) Gold plating D) Hazards MCQ5. Which is not one of the objectives of an interview. (1) A. Record B. Reassure C. Discover D. Refine Q1. Suppose a smart home system is to be designed. One of the stakeholders is an illiterate man from one of the villages of Pakistan. Write a short persona of such a person that could affect the development of the smart home system (5). Abdutlah Lives in a village his arge is lived in the lives in a middle class farmily the is a farmer. The house in which he lives is not designed hy an architect. There is electricity issues in his village. In which he law value is a major issue. His house is wide open which cavers a lot of army value is a major issue. His house here is only one light and one farming the usually sleeps early and wakes the early in morning the did not likes the usually sleeps early and wakes he can ly one cally in morning the did not likes there is any one cell phone in whale house.	
B) Esthetic features C) Gold plating D) Hazards MCQS. Which is not one of the objectives of an interview. (1) A. Record B. Reassure C. Discover D. Refine Q1. Suppose a smart home system is to be designed. One of the stakeholders is an illiterate man from one of the villages of Pakistan. Write a short persona of such a person that could affect the development of the smart home system (5). Abaltilah lives in a village. his affect is 4 middle class family the is a farmer. The hause in which he lives is not designed hy an architect. There is electricity issues in his village. In which cawes is electricity issues in his village. And there is only one light and one fam in open anea. He saws electricity and wakes the usually sleeps early and wakes the usually sleeps early and wakes the usually in marriage, the did not likes connection is reflected to the poor which covers a lot of the usually in marriage, the did not likes the usually in marriage, the did not likes connection is reflected to the property of the stake of the poor way much green the saws electricity cost.	MCQ4. Following are the features that most customers do not want. Identify the one which a small percentage would want. (1)
A. Record B. Reassure C. Discover D. Refine Q1. Suppose a smart home system is to be designed. One of the stakeholders is an illiterate man from one of the villages of Pakistan. Write a short persona of such a person that could affect the development of the smart home system (5). Abdullah lives in a village, his offe is fine is a family the is a family the hase in which he lives is not designed hy an architect. There is electricity issues in his village, is wide open which covers a lot of the first is only one light and one famin open anea. Here saves electricity cast, the usually sleeps early and wakes up early in magning, the did not likes connection is very poor in his village.	B) Esthetic features C) Gold plating
B. Reassure C. Discover D. Refine Q1. Suppose a smart home system is to be designed. One of the stakeholders is an illiterate man from one of the villages of Pakistan. Write a short persona of such a person that could affect the development of the smart home system (5). Abditlah lives in a village his age is Liz. he belongs to a middle class family He is a farwer. The hanse in which he lives is not designed hy an architect. There is electricity issues in his village. In voltage is a major issue. His house is wide open which covers a lot of APROL DOOR locks and one famin open anea. He saves electricity cost. He usually sleeps earry and wakes up early in morning, He did not likes Connection is very poor in his village.	MCQ5. Which is not one of the objectives of an interview. (1)
affect the development of the smart home system (5). Abalyllah lives in a village his affect is a family the is a famer. The house in which he lives is not designed hy an architect. There is electricity issues in his village. Is wide open which covers a lot of arkar poor locks are old fashioned and there is only one light and one famin open area. Her saves electricity cost. He usually sleeps early and wakes up early in morning the did not likes connection is very poor in his village.	B. Reassure C. Discover
lives is not designed by an aschitect. There is electricity issues in his village. low voltage is a major issue. His house is wide open which covers a lot of area. Door locks are old fashioned and there is only one light and one fam in open area. He saves electricity cost. He usually sleeps early and wakes up early in morning. He did not likes to use cell phone very much gaternet Connection is very poor in his village. There is only one cell phony in whole	man from one of the villages of Pakistan. Write a short persona of such a person that could
He usually sleeps early and wakes up early in morning. He did not likes to use cell phone very much gotternet Connection is very poor in his village. There is only one cell phony in whale	There is electricity issues in his village. low voltage is a mojor issue. His house is wide open which covers a lot of there is electricity issue. His house area. Door locks are old fashioned and
to use cell phone very much. 9 mer net connection is very poor in his village. There is only one cell phone in whole house.	open area. He saves electricity cost. He usually sleeps early and wakes
	connection is very poor in his village. There is only one cell phone in whole



Q2. What is the relationship between a goal and a requirement? Explain with at least 2 Q3. Describe 10 different security requirements for a smart home monitoring system. (10 points) onlo



	19. There should be atleast four days
V	of hackup data of servationce cameras.
	10 College Call
V	police in specified cases.
	POTICE IN SPECIFICA COSCI
	Q4. Imagine a system such as FELX. Write one desired behavior, one specified behavior, one missing behavior and one unwanted behavior. (1+1+1+1=4)
	1. pesired: This system should be available
	everytime. It goes down most of times.
	2. specified: (Fritzis a forma where me)
	can discuss the issues with other fellows
	3. Missing: The shows marks and attendance
	we can ofen files like powerfoint and policy
	4. unwanted: when we add a subject a lot
	of times it add of twice that book in
1	- X (25)
	Q5. Imagine a system such as FELX. Write two forbidden behaviors. (2)
	1. Server should be good that can manage
	a number of users. availability issues x.
	2. There, should be tovo way varification.
	security is one of the issue.
1	INTO IS ALL CO
	O6 Should a requirements angineer make assumed as 2 Feet
	Q6. Should a requirements engineer make assumptions? Explain your answer with an example. (2)
	No, requirements engineer should not make
7	assumptions. Client does not need any entra (2)
	Department of Computer Science Page 4 of 6
(3)	
(W)	
	The state of the s

assume that in hospital system complete biodata of patient should save but hospital only concerns with their madical record.
Q7. In CMMI Level 2, how does having cost and schedule planning processes affect the overall development process? (2) It is a food practice that you should always of schedule your process according to time and cost because there is a cost associate to the time. If an organization definer their project late it will cost extra amount.
1. Regulirement elicitation where we descover requirements and collect them from all the stake holders: Another ments and collect them from all the stake holders: Another ments in second step in this 3 eter we analyze the collected requirements and go through them. The make grouping of like wise requirements. 4. Validating requirements at the end that we have is the se requirements are enough and ensure the correctness.
Q9. Why do we need to analyze a current system that is going to be replaced with a new one which we are being tasked to build? (4) 1. We need to analyze current system to understand the actually functionality system. what it actually do.



2. what is missing in current	system.
3. Problems in current system com avoid them.	So we
4. functionalities which is diffic use for customers so we can new system more affective.	ult to make our

DO NOT WRITE BEYOND THIS POINT