National University of Computer and Emerging Sciences, Lahore Campus Course Name: Software Engg. Technologies Course Code: CS527 MS (Computer Science) Program: Semester: Spring 2020 **Duration:** 25 Mins. Total Marks: 10 Paper Date: 18 Feb 2020 Weight 5% Paper: Page(s): 1 Exam Type: Quiz No. 1 Roll No. Student: Name: Name Section: Instruction/Notes: Solve the exam on this question paper, no additional sheets will be provided. Do NOT use pencil to solve the exam. Q No. 1. (5 Marks) What are 3 most important characteristics of a software product? Why do you think each characteristic is important, in your view? Q. No. 2 (5 Marks) Identify 2 process related issues in traditional 'Waterfall' development lifecycle. Then discuss, providing arguments, how you'll overcome them if you face them. Sol No 1: The 3 important characteristic of software product is as following. Quality · Pesign McHodology · Development Tea Sterrary - Support Management Methodology must be chosen the completion of product development arises some changes as per murbet release then your model at the time adopt the changes Adding a new beature as per relopment team should be expert or must have browledge regarding the Domain

in which they will work

26 you want to develop Android Spop hive Indried upp developers not well developers.

(3) Support / Managent is important to completely deliver the produkt and to stay it long in market support is required

Sol -2

In my opinion the two process related issues vivins mostly in testing and always development.

(1) As we cannot test the product after

De so we cannot test the product after every phase we can only test it when the product is completed

During development if any changes are to make as per process so we have to go to Phuse I of requirement gather and then Design and then Disign and then South them to the process.

Overcome.

Overcome
Firstly I will make a throw-away
shetch Means I will make a story board of
process when we are refing the original it
and help us to get 100% requirement clear.
Secondly I will not test every module at
end I will tony to test the modules that are not
dependent so it am issue origins, to good how that this is ingelles

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Student: Name: Farhan May good Roll No. 191-267h. Section:

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Q No. 1. (5 Marks) What are 3 most important characteristics of a software product? Why do you think each characteristic is important, in your view?

Q. No. 2 (5 Marks) Identify 2 process related issues in traditional 'Waterfall' development lifecycle. Then discuss, providing arguments, how you'll overcome them if you face them.

QNO. #01 Answes!

The most important 3 characteristics of a software product are:

is Design

(i) 2 nality

eil Maintainability.

Juled Sciently and easy to understand design so that the softward interactive with it do not lind the design diffult to understand and interact.

i Quality:

Should maintain its quality as required to the ever of the product owner. At the software product has overlied it means it has met all the new rewhitement or it fulfill all the owner needs. And it sould stand in the market otherwise product will fail to achieve its goal in market.

Maintainability: The 3.2 vary mat supertent characteristic of a software ordered is its maintainability. As a product is easily maintainable it near it can with-struck with that in market transl and is easily evailable for him to market them with the part technologies and method.

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Desired languages in the northest.

Answer: The 2 process related illness in the water fall mosph we as followings in the converse ment specification.

un he buch in water Lah model the the reconsisened; needed for develops the gradual we not class after a cultoner wanted. Something also and he get conathing also from the unitaries. And all this heaven between in nederful there is need regularized in patterned to unitaries the requirements have to the product may meet the unitaries are clear with requirement, and since their was set it units uponer and since their uponer and since their was set it units and since their uponer want then more to need offer.

il) Madamabilidji-

The final product thould hat he able to mostade in substance of med to week to week the week.

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	Instruction/Notes:	solve the exam.				E.			e pencil
	Q No. 1. (5 Marks) Whecharacteristic is important			istics of a sof	tware pr	oduct? \	Why do you	think each	(8)
	Q. No. 2 (5 Marks) Ide providing arguments,	ntify 2 process rel how you'll overco	ated issues in tra me them if you f	ditional 'Wat ace them.	terfall' d	evelopm	ent lifecycle	e. Then discus	S,
Ans	DMan Cenai	nce: Ever	y software	produci	t evo	lue	our H	i peno	d of
tine	, so there	must be	9 chan	ge & n	elas	ne me	omozem	ent rec	ole_d
to	enure th	· quali	y of the	produ	cet.				
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a	processors					. A	7		User
	ata priva	211				1		<b>,</b>	

Ans 2: Issues in waterfall Model. "I) Too late Testing: Testing is done once the coding phase of the development moethoodology is completed which don't give much time to devloper to fix the issues as the kach activity is pality issues of the product. We can have a proper code review uside the team to understand the inplemented business processes to over conse the issues and ninimize them before going towards the next phose. D) Customer Visibility: In walkfall customer has 9 less visibility to the end product as during the smileal phases like analysis and design there is no visibility of now the product will work with respect to UI and UX which can bee an element of susprise for the end user. Me can have a prototype with the core features of the product to give an Overall look of the business processes interaction to over come this issue.