System life cycle - A2 9626

,	en me Cycle – A2 7020
•	Nov/2021/Paper_31/No.1 A company wants to use an online questionnaire to get feedback from customers about the medicine it makes.
	(a) Describe the features of online questionnaires that make them suitable for gathering feedback from customers.

.....

......[8]

Describe two drawbacks of using online questionnaires to gather feedback.
[2]

(b)



A new software application, which consists of many modules, is being developed. Testing is an important stage in the development of new software.
Compare and contrast alpha testing and beta testing.
[5]
Pak Pak

2. Nov/2021/Paper_31/No.8

When beta testing a new software application, the tester found an error and created a report about the error.
Describe the items of information, including those related to the test plan, that should be included in the report.
[5]
"# Dale

3. Nov/2021/Paper_32/No.2

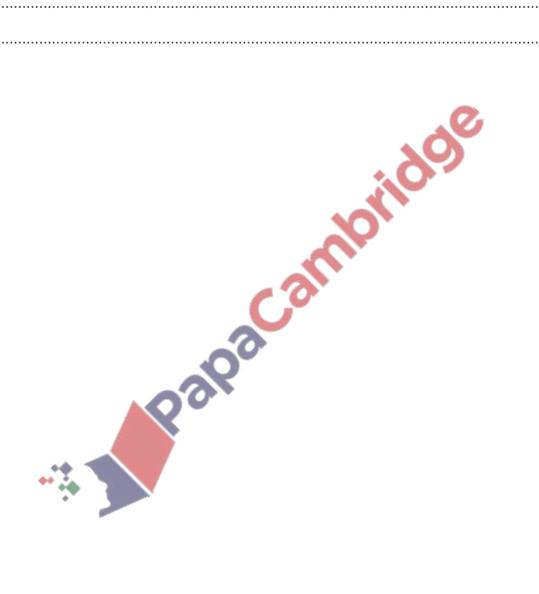
medicine it makes.		
(a)	Describe the features of online questionnaires that make them suitable for gathering feedback from customers.	
	[8]	

A company wants to use an online questionnaire to get feedback from customers about the

4. Nov/2021/Paper_33/No.1

Describe two drawbacks of using online questionnaires to gather feedback.
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(b)



(a)	Describe the differences between virtual reality and augmented reality.
	[2
(b)	Describe the advantages of using virtual reality when training firefighters.
	[6

Virtual reality and augmented reality are used when training firefighters.

5. Nov/2021/Paper_33/No.8

A software company uses the waterfall method to create its products.		
(a)	Describe the main phases in the waterfall method of developing software.	
	<u> </u>	
	[6]	
	Provide the second seco	

6. Mar/2020/Paper_32/No.5

(b)	The new software products have to be tested.
	Describe the differences between alpha and beta testing.
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			[6]
(c)	Dur	ing the creation and testing of the products, some developers are allowed to telework.	
	(i)	Describe what is meant by teleworking.	
		. 69	
			[2]
	(ii)	Describe two possible effects of teleworking on the developers.	
		***	[2]

A café owner wants to research the background and views of her customers about the food and service in the café. She has decided to interview each of her customers.
Evaluate, by weighing up the advantages and disadvantages, the use of interviews for gathering information about the background and views of the customers.

7. Mar/2021/Paper_32/No.7

8. June/2021/Paper_31/No.5 A manager of a library is considering introducing an updated computer system for lending out books. Library users will be asked to complete a questionnaire about the current system. Evaluate, by weighing up the advantages and disadvantages, the use of questionnaires for gathering information in this scenario.

a new system.	
Analyse the effectiveness of the phased implementation method to install the new DBMS.	
,	
	[8]

A hospital is to replace its database management system (DBMS) for storing patient records with

9. June/2021/Paper_31/No.7

A so	oftware company uses Rapid Application Development (RAD) to create its products.
(a)	Describe the stages involved in the RAD process.
	[6]
	Po.

10. June/2021/Paper_31/No.9

(b)	Describe reasons why the company is using RAD instead of a more traditional waterfall method of software development.
	Palpa Califila Resident to the second secon

11. June/2021/Paper_32/No.9 A new store is being opened and a spreadsheet is being created to manage its finances and to calculate the projected profits. (a) There are several ways of prototyping software during development. Suggest reasons why incremental prototyping would be the most appropriate method to use. Test data has been created to fully test the spreadsheet. (b) Explain why test data is being used.

areas.
Analyse the effectiveness of using pilot implementation when installing the technology.
<i>O</i> _*
20
[8]

12. June/2021/Paper_32/No.10
A regional government is planning to install broadband internet technology throughout its rural

A manager of a library is considering introducing an updated computer system for lending out books. Library users will be asked to complete a questionnaire about the current system.
Evaluate, by weighing up the advantages and disadvantages, the use of questionnaires for gathering information in this scenario.
[81

13. June/2021/Paper_33/No.5

14. Jun	e/2021/Paper_33/No.9
As	software company uses Rapid Application Development (RAD) to create its products.
(a)	Describe the stages involved in the RAD process.
	70
	Te.
	[6]

(b)	Describe reasons why the company is using RAD instead of a more traditional waterfall method of software development.
	[4]
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a new system.
Analyse the effectiveness of the phased implementation method to install the new DBMS.
•••
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[8]

A hospital is to replace its database management system (DBMS) for storing patient records with

15. June/2021/Paper_33/No.7

16.	Nov/2020/Pa	per_32/No.3	3										
	A new data	base mana	agement system	(DB	MS) ha	as been cre	eate	d and	d fully te	este	d by a	softwa	are
	developer.	Technical	documentation	has	been	produced	for	the	DBMS	to	assist	with	its
	maintenand	e.											

(a)	Describe the features of alpha and beta testing.
	[4]
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	R.O.
	•••

(b)	Explain docume	why, ntation	apart is nee	from eded.	assisting	with	testing	and	software	maintenance,	technical
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								2	O		
							•				
							S				[5]
(c)	Explain	why m	ainten	ance s	hould be q	_4					[0]
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				Q	0						
		•• 4)							
				,							
											•••••
						•••••					- · -
											[4]

17.	Nov/2	2020/Paper_32/No.4
		fore that sells and delivers furniture is installing a new ordering and booking computer system eplace its old computer system. The direct changeover method of implementation will be used.
	(a)	Describe, in detail, the steps that need to be taken to prepare for the changeover and the steps that need to be taken after the changeover.
		[6]
	(b)	Give two reasons why direct changeover is a suitable method of implementing the new
	(D)	system
		1

2

.....

......[2]

A bank is installing a new computer system to replace its existing system.
Analyse the suitability of the parallel running implementation method in this situation.
[8]

18. Nov/2020/Paper_33/No.7

19. Nov/2020/Paper_33/No.11 Mae, a systems analyst, will use document analysis to carry out research into a company. (a) Describe the steps she should go through when preparing to examine the company documents. (b) Describe the steps Mae should go through when examining the company documents.

20. Mar/2020/Paper_32/No.2

(a)

A railway company wants to allow customers to book tickets for journeys using its website. A new booking screen will use form controls to collect data about the customer and about the requested journeys. The screen is intended to make it easier for customers to enter the details.

Describe, in detail, three checks that could be carried out on the data as it is collected on the booking screen.
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(b)	Describe four form controls that could be used on the new booking screen and for each form control describe an appropriate use on the new screen.
	69

	[8]

(c)	Describe the characteristics, other than form controls, of a well-designed data collection screen that make it easier for customers to enter data.
	[6]
(d)	When the booking screen is created it will need to be tested.
	Explain the importance of having a test plan.

21. Mar	/2020/Paper_32/No.3
(a)	Describe the characteristics of incremental prototyping.
	29
	[4]
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Discuss the advantages and disadvantages of incremental prototyping.
[8]

(b)

A chain of supermarkets has a computer system which deals with stock control, payroll, Point of Sale (POS) terminals and a customer database. The computer system is to be replaced with a new system.
Analyse the suitability of using phased implementation in this situation.
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22. Mar/2020/Paper_32/No.6

23.	June/2020/Paper_31/No.10 An internet forum is a discussion site which can be used to collect data from people. Messages are posted on topics in threads. Data from the postings can be analysed and used in research.
	By weighing up the advantages and disadvantages, evaluate the use of a forum to collect information from patients for use in medical research.
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process.
Analyse the use of interviews for researching the views of the users.
<u> </u>
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A new website is being developed. The developer wishes to involve users in the development

24. June/2020/Paper_32/No.8

25. June/2020/Paper_33/No.10

are posted on topics in threads. Data from the postings can be analysed and used in research.
By weighing up the advantages and disadvantages, evaluate the use of a forum to collect information from patients for use in medical research.
[8]

An internet forum is a discussion site which can be used to collect data from people. Messages