System life cycle – 2022 IT A2 9626

1.	Nov/2022/Paper_31/No.5 A software development company is using the Agile method of software development to create a new app for a client to use on mobile devices.
	Discuss the use of the Agile method of software development when creating a new app for the client.

1

A scientist requires a new computer system to help with her research into climate change. A systems analyst will use document analysis to investigate the existing computer system.
Evaluate the use of document analysis in this scenario.
Co

[8]

2. Nov/2022/Paper_32/No.5

A software developer uses prototyping when creating a new app for smartphones.	
(a)	Describe the use of prototyping during the development of the app.
	. 29
	Pala Pala Pala Pala Pala Pala Pala Pala

3. Nov/2022/Paper_32/No.7

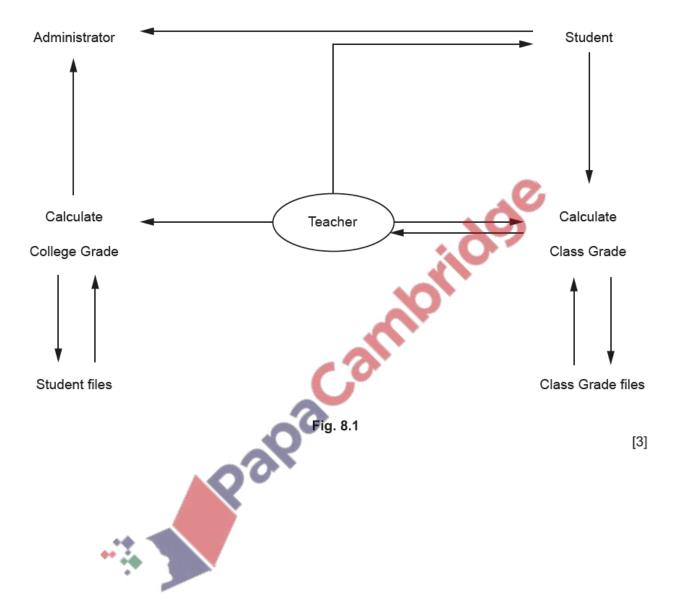
Compare throw-away prototyping with evolutionary prototyping for creating the new app.
[6]
Palpa

(b)

4. Nov/2022/Paper_32/No.8

Draw the correct symbol around each of the elements shown in the DFD in Fig. 8.1. One element, Teacher, has been done for you.

Draw the correct symbols on this DFD:



new app for a client to use on mobile devices.
Discuss the use of the Agile method of software development when creating a new app for the client.
[8]

A software development company is using the Agile method of software development to create a

5. Nov/2022/Paper_33/No.5

patient records. Health care	ent system (DBMS) is to be created for a health care centre to store e professionals will use the DBMS when treating patients. A design en before the DBMS is created.
(a) Explain why a design s	pecification is needed.

6.

Describe the contents of a design specification for the new DBMS.
<i>O</i> -
Palpa

(b)

A technician is carrying out corrective maintenance on a computer system.	
(a)	Explain what is meant by corrective maintenance.
	[2]
(b)	Describe the steps that the technician should take when carrying out the maintenance.
	: 39
	[3

7. June/2022/Paper_32/No.3

new hardware and software.
Discuss the benefits and drawbacks of using parallel running to change over from the old hardware and software to the new hardware and software.

ia)

A manufacturing company uses outdated hardware and software which need to be replaced with

8. June/2022/Paper_32/No.6

9. June/2022/Paper_33/No.9

(a)

A new database management system (DBMS) is to be created for a health care centre to store patient records. Health care professionals will use the DBMS when treating patients. A design specification has to be written before the DBMS is created.

Explain why a design specification is needed.
[4]
Palpa

Describe the contents of a design specification for the new DBMS.
[6]
Palpa

(b)

designed input form will collect good-quality input so that good-quality output can be produced.
Explain how a well-designed on-screen input form helps prevent users from making mistakes when entering data.
[8]

On-screen input forms are used by office workers to enter data into computer systems. A well-

10. March/2022/Paper_32/No.5

by a company.
Describe how the new application will be evaluated.
CO
~~~
rea .
[6]

A new computer application has been developed to replace the current application that is in use

11. March/2022/Paper_32/No.10