Index Number: _____ SEAC05/s1.21s



MATRICULATION AND SECONDARY EDUCATION CERTIFICATE EXAMINATIONS BOARD

SECONDARY EDUCATION APPLIED CERTIFICATE LEVEL 2021 SUPPLEMENTARY SESSION

SUBJECT: Information Technology

PAPER NUMBER: Synoptic – Unit 1 DATE: 3^{rd} November 2021 TIME: 9:00 a.m. to 11:05 a.m.

THIS PAPER SHOULD BE RETURNED TO THE INVIGILATOR AFTER THE EXAMINATION.

Answer **ALL** questions in the space provided. You may answer either in English or in Maltese.

Scenario

- 'PencilBox' is a new stationery which has just opened in Kirkop.
- The owner of the stationery, Rita, is not very enthusiastic about computers.
- However, she knows that computers are required for the day-to-day business activities.

Que	estion 1	K-1 (6 marks)
a. L	ist FOUR different types of computer systems, except for desi	ktop computer and laptop.
С	Computer system 1:	(0.5)
С	Computer system 2:	(0.5)
С	Computer system 3:	(0.5)
С	Computer system 4:	(0.5)
	Rita wants to buy a new computer system and needs new inpupox below, select an appropriate input or output device for eac	-
	Mouse, 2D-Printer, Keyboard, Speak	ers
i.	. Rita needs a device to type documents and emails. Which de	evice should she buy?
ii	i. Rita wants to play some background music while at the station buy?	
	Rita needs a USB flash drive (pendrive) to store data. Outline 'device.	FWO properties of this storage
_		
_		
		(2)

Question 2 C-1 (12 marks)

- Rita is not sure which computer system to buy for her shop.
- a. The computer will be used to keep client details and print documents. The computer will only be used in the shop. Rita is thinking of buying Computer A.

Table 1: Computers Specifications

	Computer A	Computer B
Туре	Desktop computer	Laptop
RAM	8GB DDR4	8GB DDR4
CPU	3.5GHz	2.2GHz
Screen size	24"	16"
Weight	5.5kg	2kg
Cost	€700	€650

	(2)
Justification in terms of portability:	
	(2)
Justification in terms of speed:	
Justify why Rita should buy Computer A and not Computer B in terms of speed and po	ortability

b. i. Rita bought Barcode Reader A for her stationery. Justify this decision with respect to specifications and after-sales service.

Table 2: Barcode Readers Specifications

	Barcode Reader A	Barcode Reader B
Туре	Hand-held	Fixed
Warranty	3 years	2 years

Justification in terms of specifications:	
	(1)

This question continues on next page.

Justification in terms of after-sales service: _	
	(1

ii. Rita also bought a printer to print reports and documents. She bought Printer B. Justify her choice in terms of use and cost.

Table 3: Printers Specifications

	Printer A	Printer B
Туре	Inkjet	Laser
Colour output	Colour	Black and White
Input tray capacity 50 papers 150		150 papers
Consumable cost per page	€0.05	€0.01
Cost	€50	€100

Justification in terms of use:	
	(1)
Justification in terms of cost:	
	(1)

c. Rita bought Storage Device A to backup documents on a daily basis in order to ensure that a copy of the data is available in case of data loss. Justify this decision in terms of capacity and storage technology.

Table 4: Storage Devices Specifications

	Storage Device A	Storage Device B
Туре	External HDD	External SSD
Capacity	4TB	1TB
Cost	€115	€129

		(4)
 		(¬)

Question 3 K-3 (8 marks)

Rita wants to know more about the internal hardware components of a computer system.

a. Label the following internal hardware components.



Source: https://en.wikipedia.org/



Source: https://www.ebuyer.com/

(1)

_ (1)

This question continues on next page.

o. List FO	UR reasons for which a computer upgrade may be requ	ired.
	1:	
	2:	
	3:	
	4:	
		(0.5)
c. Outline	FOUR implications of upgrading a computer system.	
		(4)

Qı	uestion 4 K-5 (8 marks)
	ne of the employees, was explaining to Rita about the importance of documenting a eplacement/Installation/Upgrade (RIU) of a computer system.
а.	Name TWO sections which form part of a Replacement/Installation/Upgrade (RIU) documentation.
	Section 1:(1)
	Section 2:(1)
b.	Outline the content of the TWO sections mentioned in Question 4a.
	Content of section 1:
	(1)
	Content of section 2:
	(1)
c.	Describe TWO reasons why it is important to document a Replacement/Installation/Upgrade (RIU).

	(4)
Question 5	K-7 (8 marks)
Rita wants to install some software on the computer systematics.	em, after a recent format.
a. Name TWO different types of software:	
Type of software 1:	(1)
Type of software 2:	(1)
b. List TWO examples for each type of software named in Quest	ion 5a.
Examples for type of software 1	
Example 1:	(0.5)
Example 2:	(0.5)
Examples for type of software 2	
Example 1:	(0.5)
Example 2:	(0.5)
 Differentiate between the two types of software named in Q differentiate on TWO aspects. 	uestion 5a. You are required to

		(4)
5	uestion 6	K-8 (8 marks)
	hilst searching online, Rita found out that it is best to create different user acmployees.	counts for different
Э.	. List TWO different types of local user accounts.	
	Type of local user account 1:	(1)
	Type of local user account 2:	(1)
ο.	. Describe the purpose of each local user account listed in Question 6a.	
	Description of local user account 1:	
		(1)
	Description of local user account 2:	
		(1)

This question continues on next page.

Blank Page

Blank Page