Surname	Centre Number	Candidate Number
First name(s)		2



GCE AS/A LEVEL

2530U10-1



MONDAY, 23 MAY 2022 - MORNING

INFORMATION AND COMMUNICATION TECHNOLOGY – AS unit 1 Information Systems

1 hours 50 minutes

For Examiner's use only						
Question Maximum Mark Awarded						
1.	4					
2.	6					
3.	6					
4.	6					
5.	6					
6.	6					
7.	8					
8.	18					
Total	60					

INSTRUCTIONS TO CANDIDATES

Use black ink or black ball-point pen.

Write your name, centre number and candidate number in the spaces at the top of this page. Answer **all** questions.

Answers should be written in the spaces provided. If you run out of space, use the continuation page at the back of the booklet taking care to number the question(s) correctly.

The intended marks for questions or part-questions are given in brackets []. You are advised to divide your time accordingly. The total number of marks available is 60.

You are reminded of the necessity for good written communication and orderly presentation in your answers.

Quality of written communication will be assessed in question 8.

Answer all questions.

(a)	Other than <i>accuracy</i> , give two reasons why data is encoded before it is entered into a computer.
•••••	
(b)	Other than <i>subjective value judgements</i> , give a problem associated with encoding data illustrating this problem with a suitable example.
•••••	
•••••	
both	re are different costs associated with getting good quality information. Give an example on a human resource cost and a time cost for each of the following stages of getting good ity information.
•	Data collection
	Data entry
•	
•	Maintenance of data [3 × 2
	Maintenance of data [3 × 2
	Maintenance of data [3 × 2

Examiner only

(6

	>	×		-	2)]		



Using reliable information can improve the quality of decision making. Other than being correctly targeted and complete, describe **three** factors of good quality information using suitable examples. [3

Describe two differ different advantage		the use of the Ic	T in the <i>home</i> and for	each use give a [2 ×
•••••				
•••••				
A manager of a larg	ge supermarket (company wants t	o improve the use of c	database software
administration staff.	. Describe to the of each feature	e staff what each in managing the	of the following featur supermarket.	database software es are and give ar [3 ×
A manager of a largadministration staff example of the use	. Describe to the	staff what each	of the following feature	es are and give ar
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6.

A shop allows customers to use Near-Field Communications (NFC) payment systems. Explain what is meant by NFC payment and give four advantages of using NFC payment. [6]



Robots are being r how medical robot discussing the adv medical science.	nore widely used in diffe s are being used in both antages and disadvanta	rent areas of medical sc the areas of robotic surg ges that the use of robot	ience. Describe in detail gery and rehabilitation, s brings to these areas of [8]



(a) Describe, using examples, three different types of messaging services used in h	
and give an advantage for each.	[9]
	······································

(D)	other than banking and snopping, describe the use of four different types of online services which can be used from the home, giving a general disadvantage of online services. [9]
••••••	
••••••	



END OF PAPER

For continuation only.	Examiner only
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