Surname	Centre Number	Candidate Number
Other Names		2



### GCE AS/A LEVEL - NEW

2530U10-1



# INFORMATION AND COMMUNICATION TECHNOLOGY – AS Unit 1 Information Systems

MONDAY, 4 JUNE 2018 - MORNING

2 hours 15 minutes

For Examiner's use only				
Question	Maximum Mark	Mark Awarded		
1.	6			
2.	4			
3.	6			
4.	6			
5.	6			
6.	6			
7.	8			
8.	18			
9.	4			
10.	16			
Total	80			

#### **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 80.

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.

Make sure you hand in your spreadsheet with this booklet at the end of the examination.

#### **SECTION A**

#### Answer all questions.

	Command Line Interface	Touch Sensitive Devices	
	Command Line interrace	Todon Concinive Devices	
Two of the	reasons that data is encoded, be	efore being entered into a database, are	to reduc
transcription	on errors and take up less storage	e space on the hard drive. Give <b>two</b> other than coarsening data, state anothe	er reason
	with encoding data and illustrate		i problet [4]
	-		



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be used to p	otect data being	, transmitted der	ood a network.		[6]
The use of IO	CT for processin	g data is now ve	ery widespread. (	Other than the <i>dat</i>	ta itself and the
The use of lo	CT for processin	g data is now ve	ery widespread. ( e efficiency of da	Other than the <i>dat</i>	ta itself and the
The use of lo	CT for processin	g data is now ve	ery widespread. ( e efficiency of da	Other than the <i>dat</i> ta processing syst	ta itself and the tems. [6]
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The use of Ion	CT for processin	g data is now ve tors affecting th	ery widespread. ( e efficiency of da	Other than the <i>dat</i> ta processing syst	ta itself and the tems. [6]
The use of Ion	CT for processin	g data is now vertors affecting the	ery widespread. ( e efficiency of da	Other than the <i>dat</i> ta processing syst	ta itself and the tems. [6]
hardware, de	scribe <b>three</b> fac	tors affecting the	e efficiency of da	Other than the <i>dat</i> ta processing syst	tems. [6]
<i>hardware</i> , de	scribe <b>three</b> fac	tors affecting the	e efficiency of da	ta processing syst	tems. [6]
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6.	A headmaster has decided that he wants to improve the use of presentation software by all staff.
	Describe to the school staff, what each of the following features are and explain the benefit of
	using each. [6]

Templates	Animated Transitions	Creating a show



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7.	The interconnectivity of people and smart devices and their uses in the home, workplace cities is often referred to as the 'Internet of Things' (IoT).  Describe <b>two</b> uses of the IoT, and give a specific advantage for each of those uses. In addit give <b>two</b> general disadvantages of the IoT.	



different ways IC disadvantages.	now widely used for teachir CT is used to enhance tea	ching and learning,	discussing their adva	antages a [
				•••••
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Examiner only



#### **SECTION B**

#### Answer all questions.

9.	A company has many applications for which it could use a spreadsheet. Other than drawing graphs and charts, give <b>two</b> different applications of a spreadsheet and give a specific benefit of using a spreadsheet for this task. Only give a benefit once.  [4]



## YOU MUST REFER TO YOUR OWN SPREADSHEET TO ANSWER THE FOLLOWING QUESTION.

## IF NO SPREADSHEET EVIDENCE IS SUBMITTED THEN NO MARKS CAN BE AWARDED.

## MAKE SURE THAT YOU SHOW IN YOUR ANSWER WHERE THE FUNCTIONS/FORMULAS CAN BE FOUND IN YOUR SPREADSHEET.

(a)	Describe the purpos spreadsheet.	se of <b>two</b> functions from	the list below, v	vilicii you nave us	ed in your [2 × 2]
	SINGLE IF,	MULTIPLE IF,	DATE,	ROUND	
***********					
•••••					
<b></b>					
(b)		tion methods you used to	o ensure that only		ed in you
(b)	Describe <b>two</b> valida		ensure that only		
	Describe <b>two</b> valida spreadsheet.			y valid data was us	ed in youi [4]
	Describe <b>two</b> valida spreadsheet.	tion methods you used to		y valid data was us	ed in you [4]
	Describe <b>two</b> valida spreadsheet.	tion methods you used to		y valid data was us	ed in youi [4]
	Describe <b>two</b> valida spreadsheet.	tion methods you used to		y valid data was us	ed in youi [4]
	Describe <b>two</b> valida spreadsheet.	tion methods you used to		y valid data was us	ed in your [4]

(c)	Describe the purpose of <b>two</b> macros you used in your spreadsheet.	[4]	Examiner only
(d)	Describe the purpose of:  (i) a graph, you used in your spreadsheet;	[2]	
	(ii) relative cell referencing, you used in your spreadsheet.	[2]	

**ENSURE YOU ATTACH THE PRINTOUTS OF YOUR SPREADSHEET TO YOUR** EXAMINATION ANSWER PAPER.

**END OF PAPER** 



For continuation only.	Examiner only