1

01

2

G;

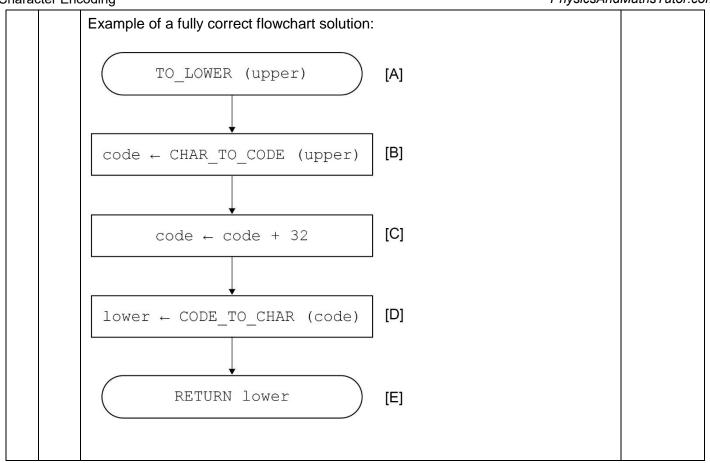
**R.** g

Mark is for AO2 (apply)

I. use of quote marks

 Qu
 Part
 Marking guidance
 Total marks

01	3	5 marks for AO3 (program)		5
		Mark A for defining a subroutine with the identifier TO_LOWER and parameter; Mark B for using CHAR_TO_CODE with a variable parameter; Mark C for adding 32 to the result of mark B; Mark D for using the result of mark C as a parameter to the CODE_subroutine; Mark E for returning the value of mark D;		
		Max 4 marks if any errors in answer.		
		Example of fully correct answer:		
		SUBROUTINE TO_LOWER(upper)  code ← CHAR_TO_CODE(upper)  code ← code + 32  lower ← CODE_TO_CHAR(code)  RETURN lower  ENDSUBROUTINE	[A] [B] [C] [D] [E]	
		Another example of a fully correct answer:		
		SUBROUTINE TO_LOWER(upper)  code ← CHAR_TO_CODE(upper)  RETURN CODE_TO_CHAR(code + 32)  ENDSUBROUTINE		
		Another example of a fully correct answer:		
		SUBROUTINE TO_LOWER(upper)  RETURN CODE_TO_CHAR(CHAR_TO_CODE(upper)  ENDSUBROUTINE	[A] + 32) [B,C,D,E]	
		Example of a 4 mark answer:		
		SUBROUTINE TO_LOWER(upper)  code ← CHAR_TO_CODE(character)  code ← code + 32  lower ← CODE_TO_CHAR(code)  RETURN lower  ENDSUBROUTINE	[A] [B] [C] [D] [E]	
		(only 4 marks awarded as answer contains an error where parame CHAR_TO_CODE is different to parameter for TO_LOWER)	ter to	



Qu	Part	Marking guidence	Total
QL	Part	Marking guidance	marks

02	1 mark for AO1 (understanding)	1
	<ul> <li>To be able to represent additional/more characters/more languages (and symbols not available in the ASCII character set);</li> <li>ASCII only allows 128 characters whereas Unicode can represent more;</li> <li>To represent characters from other alphabets;</li> </ul>	
	<ul> <li>A. a response that says a specific single character can be shown ie "a playing card character can be shown";</li> <li>A. to represent non-English languages;</li> </ul>	

Qu	Part		Markin	g guidance		Total marks
03		2 marks for AO2	(apply)			2
		1 mark for each o	complete column with	the correct values as b	elow;	
		Character	ASCII value	Unicode value		
		W	119	119 // 77		
		х	120	120 // 78		
		у	121	121 // 79		
		Z	122	122 // 7A		
		column, even if in	correct ASCII values	or the Unicode column R. if any missing value	•	
		R. Binary values	in the Unicode colum	n		

Qu	Part	Marking guidance	Total marks
04	5	Mark is for AO2 (apply)	1
		<b>B</b> F;	
		R. If more than one lozenge shaded	
04	6	All marks AO1 (understanding)	2
04		Advantages: Can represent a wider range of characters; Can represent characters from a wider range of languages; Can represent characters used in scientific / mathematical / technical / specialist documents;	2