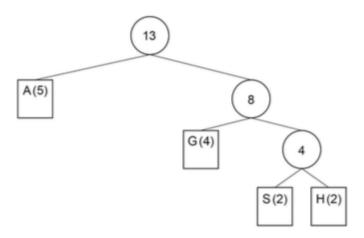
01.1 Explain what the term data compression means.	[2 marks]
01.2 Explain why it might be desirable to use data compression.	[4 marks]
02 Run length encoding (RLE) is a method of data compression which uses frequency/da	ata pairs.
02.1 State a run length encoding of the series of characters ttjjeeess	[1 mark]
02.2 Explain how run length encoding (RLE) uses frequency/data pairs to compress data	
02.2 Explain why run length encoding (RLE) does not always result in effective data comp	pression. [2 marks]

03 Huffman coding is another method of data compression used to compress text. The Huffman tree in **Figure 2** was created to encode the string shown in **Figure 1**.

Figure 1

AAGHHGGSAAASG

Figure 2



03.1 Complete the code table below for characters G, S and H for the Huffman tree shown in Figure 6. The code for character A has already been completed.

[3 marks]

Character	Binary code
A	0
G	
S	
Н	

03.2 Explain how data is compressed using Huffman Coding. You do not need to explain he Huffman Tree is created.	ow a
[3	marks]