01.1 Convert the hexadecimal number CA into binary.	[2 marks]
Answer:	
01.2 What binary shift can be used to half the value of a binary number?	[2 marks]
01.3 The Danish alphabet has 29 characters. What is the minimum number of bits neede able to represent any character from the Danish alphabet?	[1 mark]
01.4 How many binary numbers can be represented using 7 bits?	[1 marks]
01.5 Write down the largest decimal number that can be represented using 8 bit binary.	[1 mark]
02.1 State the maximum number of different colours that can be used if a bitmap image has colour depth of seven bits.	nas a [1 mark]
02.2 Calculate the minimum file size in bits of a 10 by 10 pixel image with a colour depth	of 3 bits.
02.3 Calculate the minimum file size in bytes of a 10 by 10 pixel image with 12 different of You should show your working.	colours. [3 marks]