

## **SEC'98-PAPER 2B-Q4C**

Why	does	fast	access	RAM	improve	the	overall	performance	of	a computer	[3]
syste	m?										
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SE	C '03-PAPER 2A Q4 (CONSULT CHs 2 & 4)	
(a)	Mention one input device, one output device and one input/output device found in a computer system.	[3]
(b)	What do you understand by the term multimedia?	[2]
(c)	Briefly describe ONE use of multimedia OUTSIDE the field of entertainment.	[3]
(d)	It is known that different devices have different access speeds. Describe, by giving an example, the technique used to reduce the speed difference between these devices.	[3]
(e)	How many storage is needed to represent an image whose resolution is of 1024x768 and uses a 24-bit color representation?	[2]
(f)	Why is there the need of having both RAM and ROM in a computer system?	[4]

Writing Space for Previous Question				
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## The ASCII code is said to be an 8-bit code. How many different characters a) can be represented by the ASCII code? [1] Is the ASCII code suitable for representing a non-English alphabet? What b) [3] is the solution to this problem? What do you understand by the term register? Mention ONE example of a c) [3] register commonly found in the CPU. Represent the following numbers in an 8-bit register using 2's compled) **[6]** ment: i. -27 ii. 84 iii. -100 [4] Represent 01001011<sub>2</sub> and 00001100<sub>2</sub>, in hexadecimal. e)

SEC '07-PAPER 2A Q5 (CONSULT CHs 2 & 5)

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