[Th	is que	stion paper contains 3 printed pages.]	
		Your Roll No	
530	2		В
		B.A. Prog./I	
		(A)	
		COMPUTER APPLICATIONS	
		PAPER-CS-I-Computer Fundamentals	
		and Software Packages	
		(Admissions of 2004 and onward)	
Tim	e : 3	Hours Maximum Marks:	45
(Wr	ite your	Roll No. on the top immediately on receipt of this question pape	r.)
	4	All questions are compulsory.	
1.	(a)	Draw a block diagram of a computer system. Expla	ain
	·	the various components briefly.	4
	(b)	Define Virtual Reality. What are the devices requir	ed
		for virtual reality ?	3
	(c)	Explain 'Kinematics' in context of multimedia.	I
2.	(a)	Perform the following conversions:	4
		(i) $(1010110001)_2 = (?)_8$	
		$(ii) (753)_8 = (?)_{10}$	
		$(iii) (A27)_{16} = (?)_2$	
		$(iv) (271)_{10} = (?)_2$	

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	(b)	What is Cache Memory? Explain different types	,
	-	of Cache Memory.	)
	(c)	What is the purpose of MODEM and Network Interface Card?	
3.	(a)	What are optical disks? Differentiate between CD-ROM and DVD-ROM.	-
	(b)	What are different types of ROM ? Explain briefly	
	(c)	What are scanners used for ? Describe any two	,
	(d)		2
			2
4.	(a)	What are the functions of operating systems ?  Describe each one of them.	?
	(b)	What is user interface? Explain different types of user interface.	f 2
	(c)		3
5.	(a)	Explain various categories of application software and	
	(b)	give suitable examples for each.  Write short notes on any two of the following:	1
		(i) Biometric Technique	

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- (ii) Anti-virus Software
- (iii) Digital Signature.
- 6. (a) Give full forms of the following:

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- (i) VLSI
- (ii) BIOS
- (iii) LCD
- (iv) ASCII
- (v) RISC
- (vi) USB
- (b) Explain the characteristics of super computers. 2