DIPLOMA - VIEP - COMPUTER SCIENCE AND ENGINEERING (DCSVI)/ADVANCED LEVEL CERTIFICATE COURSE IN CSE (ACCSVI)

Term-End Examination June, 2012

BICS-027: COMPUTER ORGANIZATION

Time: 3 hours					Maximum Marks: 70		
Not	q			•		y. Attempt any fo I questions carry eq 1	
1.	(a)		Grey code numbers differ from the preceding and the succeeding no. by two bits.				
		(i)	True		(ii)	False	
	(b)	In the star topology the various computers are attached to a different points.					2
		(i)	True		(ii)	False	
	(c)	2's complement of 0101 is :					2
		(i)	0111		(ii)	1001	
		(iii)	1011		(iv)	1110	
	(d)	Binary code is a non weighted code.				2	
		(i)	True		(ii)	False	
	(e)		local area g Haul No True		(ii)	e also known as False	2

	(1)	There are 4 layers in TCP/IP.	2					
		(i) True (ii) False						
	(g)	Mnemonics are used in high level language.	2					
		(i) True (ii) False						
2.	(a)	Convert the following nos. from decimal to octal and then to binary. Compare the binary nos. obtained with the binary nos. obtained directly from the decimal nos. (i) 375 (ii) 249						
	(b)	Explain different complementing schemes and then compare them.	7					
3.	(a)	What is the difference between system software and application software?						
	(b)	Why programs written in high level language or assembly language are translated before execution?	7					
4.	(a)	What are the major functions of network operating system?						
	(b)	What are the advantages and disadvantages of time sharing system?	7					
5.	(a)	What do you mean by network topology? Explain the following in brief. (i) star topology (ii) tree topology (iii) ring topology	7					

What is meant by FTP service? Under what (b) 7 circumstances would you like to use FTP? Explain how computers are being used in 6. (a) 7 banking and financial institutions? What are the application of computers in (b) 7 medical science? 7. What are auxiliary storage devices? Can a (a) 7 hard disk be categorized as an auxiliary storage device? What are the performance parameter of HDD? What do you mean by computer (b) 7 generations. List the major advances in each generation in the development of computer technology. 8. Write short notes on : (any four) 3.5x4=14(a) Data communication equipment (b) Classification of computers (c) Internet and its application

(d)

(e) (f) Computer

Network protocol

Operating systems

forecasting

application for weather