Diplete - CS (OLD SCHEME)

Student Bounts, com Code: DC03 Subject: COMPUTER FUNDAMENTALS Time: 3 Hours Max. Marks: 100

DECEMBER 2010

NOTE: There are 9 Questions in all.

- Question 1 is compulsory and carries 20 marks. Answer to Q.1 must be written in the space provided for it in the answer book supplied and nowhere else.
- The answer sheet for the Q.1 will be collected by the invigilator after half an hour of the commencement of the examination.
- Out of the remaining EIGHT Questions answer any FIVE Questions. Each

Cł	noose the correct or the best al	lternative in the following:	(2×1)
a.	-	continuously changing conditions, such as and converts them into quantities is called	
	(A) Digital computer(C) Hybrid Computer		
b.	The performance of cache m quantity called as	nemory is generally measured in terms of a	
	(A) bit ratio(C) no ratio	(B) click ratio(D) hit ratio	
c.	The is the read/write head.	time required by a sector to reach below	w
	(A) Seek Time(C) Access time	(B) Latency Time(D) None	
d.	A pixel can be defined as		
	(A) A program that draws pic(B) A picture stored in second(C) The smallest measurable(D) None of the above	dary memory	
e.	The smallest unit in	a semiconductor memory is called	a
	(A) cell (C) latch	(B) Flip flop(D) multivibrator	
o / D.	(C) latch EC 2010	(D) multivibrator1 DiplETE - CS (OLD SCHEME	

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	f.	On detection of an error, a part erased and rewritten.	of thememory of (B) EPROM (D) EEROM	can be the day
		(A) EROM (C) PROM	(B) EPROM (D) EEROM	14.CO
	g.	The LCD stands for		
		(A) Liquid Crystal Diode(C) Liquid Crystal Display	(B) Light Crystal Diode	·
	h.	Which one of the following is bot	h an input and output device?	
		(A) A Hard disk drive(C) A Plotter	(B) A digitizer(D) A DLP Projector	
	i.	In which of the following the dat	a processing is faster?	
		(A) Flash drives(C) RAM	(B) ROM(D) Hard disk drives	
	j.	Which of the following is not an a	application software ?	
		(A) Word Processor(C) Operating System	(B) Spreadsheet(D) Notepad	
		Answer any FIVE Questions Each question car	~	
2.2	a.	Explain about the characteristics detail.	and limitations of Computer system	s in (10)
	b.	Give the description about various	s generations of computers in brief	(6)
2.3	a.	What is arithmatic and logic uni by this unit?	t? Explain the major function perform	med (6)
	b.	Explain about the functionality of	the Control unit in brief	(4)
	c.	Differentiate between the static ar	nd dynamic RAM.	(6)
Q.4	a.	What is a Cache memory? Expla	in about multiple levels of Cache.	(8)
	b.	Explain about the factors affecting	g processor speed.	(8)
Q.5	a.	What do you mean by VDU. Ex with the help of it's diagram	plain working principal of CRT Mon	uitor (10)
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	b.	Define any four of the following terms in context of disk storage (i) Access time (ii) Spin-up time (iii) Seek time (iv) Latency Time (v) Transfer rate	Which (4)
Q.6	a.	Explain the difference between an impact and non impact printer? Vone is advantageous over and why?	Which (4)
	b.	Distinguish between Application software and System software.	(6)
	c.	What is the purpose of CONFIG.SYS and AUTOEXEC.BAT file.	(6)
Q.7	a.	In DOS, what do these commands do? (i) COPY (ii) CHKDSK (iii) PROMPT (iv) DISKCOMP (v) CLS (vi) REN	(6)
	b.	What do you understand of multiprogramming and time sharing system?	ng of (6)
	c.	Write about some features of windows operating system	(4)
Q.8 a.		How mail merge is used in MS WORD.	(6)
	b.	Write the applications and advantages of Spread Sheet?	(6)
	c.	Write a short note on Keyboard Buffer.	(4)
Q.9	a.	Explain about the construction and working principle of IDE hard disl	k. (10)
	b.	Distinguish between (i) Workbook and Worksheet	(6)

(ii) Command line interface and Graphical user interface