RETEST EXAMINATION, 2020

Semester: 5th Sem(OLD)

Subject code: Et-504

Subject: PC System Technology

Full Marks = 70

Duration: Three hours

Instructions:

- 1. Questions on Part A are compulsory
- 2. Answer any five questions from Part B

PART-A			
	MARK-25		
Questions no.	Questions	marks	
Question 1	Fill in the blanks:	1x10=10	
la .	Operating system is the most common type of software.		
1b	is information a program gathers from the outside world.		
1c	USB stands for		
1d	RS-232 is port standard.		
1e	The efficiency of an offline UPS is high since inverter is not continuously		
1f	The capacity of 3.5 inch floppy disk is		
1g	Computer mouse is also known as device.		
1h	Image quality of a printer is measured in		
1i	Cache memory consumes access time as compared to main memory.		
1j	DMA transfers are performed by a control circuit called as	LIBRAD	

Question no.2	Write true or false:	1x10=10
2a	The south bridge chipset connects the CPU to lower speed peripheral buses.	
2b	Primary memories are semiconductor memory.	
2c	In USB the devices can communicate with each other.	
2d	SRAM chip use a matrix of 6 transistor and no capacitor.	
2e	On a movable head system, the time it takes to position the head at the track is known as seek time.	
2f	The heart of computer is ALU.	
2g	Output device converts data into machine readable form.	
2h	In parallel transfer each bit is sent one after the another in a sequence of event and requires just one line.	
2i	Magnetic disk read the data by reflecting pulses of laser beams on the surface.	
2j	The boot sector files of the system are stored in ROM.	
Question no. 3	Choose the correct answer	
Q 3a	Which program is run by BIOS to check hardware components are working properly while computer is turned on?	
0.40	i) DMOS ii) POST	
	ii) CMOS iv) RIP	-
3b	Which of the following memories must be refreshed many times per second?	
	i) ROM ii) DRAM	
	iii) SRAM iv) EPROM	
3c	What is the full form of GUI?	
	i)Graphical user instrument iii) Graphical unified interface iv) Graphical user instrument	
3d	The control unit controls other units by generating	
i)	Control signals ii) Timing signals	1

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3e	RS-232 is a standard that applies to	
i)	Parallel port	ii) LAN
iii)	Game port	iv) Serial port

PART-B MARK-45				
Q4a	With the help of a neat block diagram, explain the different parts of a PC.			
Q4BB	Differentiate between SRAM and DRAM.	3		
Question no.5				
Q5a	What are the primary functions of a power supply in a PC?	3		
Q5b	What are video adapters? Discuss their utility in a computer system	3		
Q5c	What is the function of DMA controller in a computer system?	3		
Question no. 6				
Q6a	What are the functions of an operating system?	3		
Q6b	Explain primary and secondary memory.	3		
Q6c	Describe briefly the function of BIOS in a computer system	3		
Question no. 7				
Q7a	State the important difference between DOS and Windows?	3		
Q7b	Write about the FAT, MBR and DBR	6		
Question no. 8				
Q8a	What are serial and parallel port?.	4		
Q8b	State the important features of USB and FIRE-wire.	5		
Question no. 9				
Q9a	What are the different types of Keyboard? Explain one of them.	6		
Q9b	what do you know about the pixel and resolution?	3		
Question no. 10	What are different technologies used in printers? Explain.	9		
Question no. 11	Draw a neat diagram of a hard disk and also the label the tracks, platters, sectors and cylinder and explain the working of a hard disk.			
Question no. 12	Draw and explain the working of a CRT display.	9		

