

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
1a	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 _____.	



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

PART-B MARK-45		
Question no. 4		
Q4a	With the help of a neat block diagram , explain the different parts of a PC.	6
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.	9
Question no. 12	Draw and explain the working of a CRT display .	9

