END SEMESTER EXAMINATION - 2019

Semester: 5th (New)

Subject Code: Et-504

PC SYSTEM TECHNOLOGY

Full Marks - 70 CENTRAL INST

Time - Three hours

The figures in the margin indicate full marks for the questions.

Instructions:

- 1. All questions of PART A are compulsory.
- 2. Answer any five questions from PART B.

PART-A

Marks - 25

1. Fill in the blanks:

 $1 \times 10 = 10$

- (a) The contents of RAM are
- (b) The main advantage of a hard disk is its large

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98/Et-504/PCST(N) (2)	(c) Keyboard is a pointing device.	(b) DRAM chip use a matrix of 6 transistor and one canacitor	ries.	(a) Primary memories are semiconductor memo-	Write true or false: 1×5=5		(j) Bus used to connect the monitor to the CPU is	(i) 'RS-485 is a port.	referred to as	(h) OS that permits multiple programs to be run explored simultaneously using a single processor is z		(g) DMA facility is required to increase the speed	since inverter is always	(f) Overall efficiency of online UPS is reduced	(e) MICR stands for	(d) In computer, is its heart.	is the	(c) The most common input device used by today	
298/Et-504/PCST(N) (3) [Turn over	(iv) input devices and the memory	(iii) processor and the memory	(ii) processor and the various devices	(i) processor and the keyboard	receiving control signals between	(b) Control bus is used for transmitting and	altered.	(iv) program stored in the ROM cannot be	their operation	(iii) ROM does not require power supply for	(ii) ROM is faster		because	(a) A ROM is preferred to a semiconductor RAM	3. Choose the correct answer: 1×10=10	computer will typically be a serial port.	(e) A 25 pin female connector on the back of our	(d) SRAM is used as cache memory.	

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- (c) What is the full form of GUI?
- (i) Graphical user instrument
- (ii) Graphical unified interface
- (iii) Graphical user interface
- (iv) Graphical user instrument

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- (d) DMA transfers implies
- (i) Direct transfer of data between memory and accumulator
- (ii) Direct transfer of data between memory and I/O devices
- (iii) Direct transfer of data between memory and I/O devices with out the use of microprocessor
- (iv) A fast transfer between Microprocessor and I/O devices
- (e) Which one of the following is loaded in the main memory by the bootstrap loader ?
- (i) System data
- (ii) User program
- (iii) BIOS
- (iv) Part of DOS
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- (f) The number of times per second the electron illumination of each pixel is known as beam scans the monitor and recharge the
- (i) Resolution
- (ii) Sharpness
- (iii) Refresh rate
- (iv) Dot pitch
- (9) The increasing order of speed of data access for the following devices is
- (a) Cache memory
- (b) CD-ROM
- (c) Dynamic RAM
- (d) Processor register
- (i) (b), (c), (d), (a)
- (ii) (b), (c), (a), (d)
- (iii) (a), (b),(c),(d)
- (iv) (b),(a),(c),(d)
- (h) Which of the following was the first computer printer?
- (i) laser
- (ii) inkjet
- (iii) dot matrix
- (iv) None of the above
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- (i) Macintosh is designed and developed by
- (i) Apple
- (ii) IBM
- (iii) Microsoft
- (iv) HP
- 9 The computer attached to CPU which computer can access is called CENTRALLIBORARY
 - (i) Peripherals
 - (ii) RAM
 - (iii) OS
 - (iv) ROM

PART-B

Marks - 45

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- (a) Differentiate between IBM PC, PC-XT and PC-
- (b) What is North bridge and South bridge? w
- S (a) What are the functions of an operating system?
- (b) Discuss about the BIOS, POST and CMOS.
- 9 (a) Explain the construction of a optical drive. 6
- (b) What are the interfacing standard of an HDD?
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- 6

- Describe about various standards and use of serial and parallel communication port.
- 00 (a) Differentiate between the mouse and the track
- (b) What do you understand by pointing device.

- (c) Explain about the DMA.

 9 (a) What are the different t

 Explain one of them.

 (b) What do you know ab (a) What are the different types of printers?
- (b) What do you know about the pixel and resolution?
- 10. Discuss about the different types of UPS

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- 11. (a) Differentiate between laptop and desktop.
- (b) Explain about the booting procedure of a computer.

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