2020(Voc)

Time: 3 hours

Full Marks: 50

Candidates are required to give their answers in their own words as far as practicable.

The figures in the margin indicate full marks.

Answer from all the Parts as directed.

Part - A

1.	Mul	1×5 = 5				
	(a)	Raw Data is processed by the system to produce meaningful				
		(i)	Information	(ii)	Bytes	
		(iii)	Bits	(iv)	Datum	
		(v)	None of these			
	(b)	Which of the following is an example of 'Mechanical Analog Computer'?				
		(i)	Television	(ii)	Slide Ruler	
		(iii)	Oscilloscope	(iv)	Sound Processor	
		(v)	All of these			

(c)	correct about the BIOS? (i) Program used by PC's Microprocessor (ii) Manages data flow between OS and devices attached to it (iii) Starts the Computer system after it is switched on
	(iv) All of the above
	(v) Only (iii)
(e)	$(255)_{10} = (?)_{16}$
	(i) O (ii) F
	(iii) FB (iv) FD
	(iv) FF
2. Fill	in the blanks: $1 \times 5 = 5$
(a)	is the rectangular
	pattern of image capture and reconstruction in any VDU.
RG-18	2/3 (2)

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	(b)			is an in	put device	
		consisting	of a stick	that pivots	on a base	
		which are	used in Vid	deo Game (Consoles.	
	(c)	-	_type data	can take or	nly possible	
		values, 0 and 1.				
	(d)	-	sitt ton to	processi	ng involves	
					tput of data.	
	(e)	policeof sh	_ is a type	of compu	ter network	
					ters through	
		an etherr	net cable	or throug	h wireless	
		technology	1- 1000			
			Part -	B		
	(Short-answer Type Questions)					
	There are four questions. Each question carries					
	five marks. Answer any two questions. Each					
					t more than	
		words:			5×2 = 10	
•	10/-	ht in 'Data'	in Comp	iter Science	e ? Explain	
3.	Waht is 'Data' in Computer Science ? Explain					
	with example. Explain the storage units of Data-					
		e and Word		into gode	F (6)	
4.	What is ROM? write short notes on: PROM, and					
	EP	ROM.			till the	
5	Evr	Jain the Ga	tes - OR.	AND, NOT	and XOR of	
5.	Explain the Gates – OR, AND, NOT and XOR of Boolean Algebra, with diagram.					
	DU	near Alger				
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6. What is Batch Processing? Explain with example. How it is different from On-Line Processing?

Part – C (Long-answer Type Questions)

There are five questions. Each question carries ten marks. Answer any three questions.

 $10 \times 3 = 30$

- 7. Explain 'Computer Network Topology' and its different types, with diagram.
- 8. Explain the following:
 - (a) Winchester Disk
 - (b) Magnetic Taped
 - (c) SRAM
 - (d) DRAM
- 9. What are Register memories? Explain any 3(three) register memories.
- 10. What is Operating System Software? Explain briefly its main features and functions?
- 11. Explain any two of the following:
 - (a) Microprocessor and its types
 - (b) Transmission Media and its types
 - (c) Internet, its merits and demerits
 - (d) Difference between LAN and WAN

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