## **COPYRIGHT RESERVED**

BCA(Sem-I) — CF & O (CC – 1)

Sem-I

RG - 18/3

## 2020(Voc)

Time: 3 hours

Full Marks: 50

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

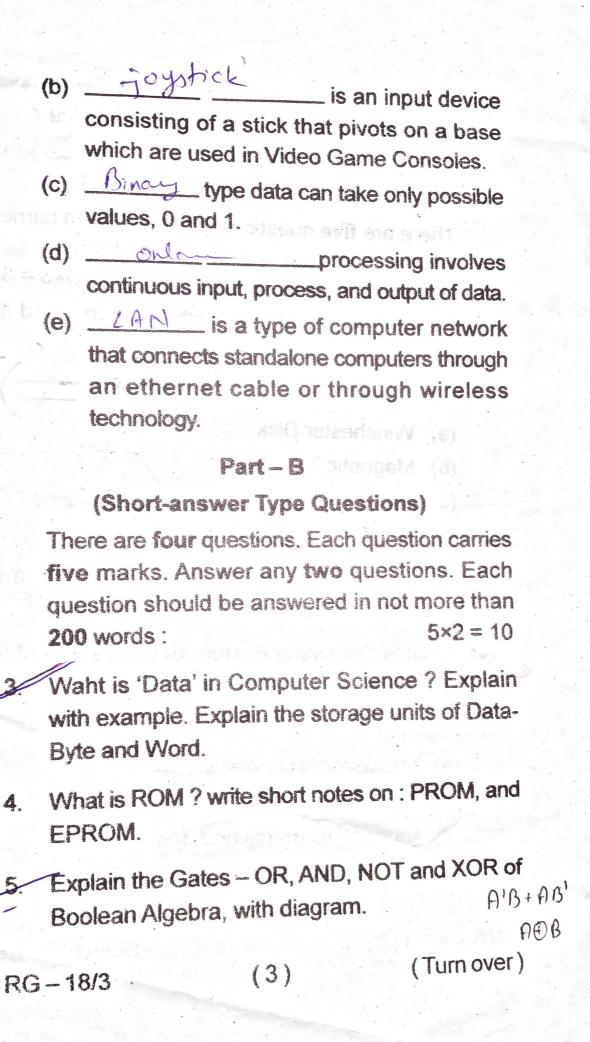
The figures in the margin indicate full marks.

Answer from all the Parts as directed.

## Part - A

1. Mu	Itiple choice question	ns:	1×5 = 5				
(a)	n) Raw Data is processed by the system to produce meaningful						
	(i) Information		Bytes				
	(iii) Bits	(iv)	Datum				
	(v) None of these		are the second				
(b)	(b) Which of the following is an example 'Mechanical Analog Computer'?						
4,541	(i) Television	(ii)	Slide Ruler				
int rest.	(iii) Oscilloscope	(iv)	Sound Processor				
	(v) All of these		V WiG 19				
			(Tum over)				

(c) Which one of the following is an electromechanical input devices used for							
tactile sensing and fine-motion control in							
robotics and virtual reality?							
(i) Digitizer (ii) Image Scanner							
(iii) Data Gloves (iv) All of these							
(v) None of these							
(d) Which of the following statement(s) is / are							
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							
Fill in the blanks: 1×5 = 5							
[ [ [ [ [ [ [ [ [ [ [ [ [ [ [ [ [ [ [							
(a) <u>videa</u> Rosta Scount is the rectangular							
pattern of image capture and reconstruction							
in any VDU.							



- over)

1	age	_	10	۰	

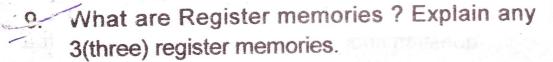
6. What is Batch Processing? Explain with example. How it is different from On-Line Processing?

## 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



- 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