



**SBU-003-2031003**

Seat No. \_\_\_\_\_

**B. C. A. (Sem. I) (W.E.F. 2019) Examination**

**February - 2022**

**CS-03 : Computer Fundamentals &  
Emerging Technology**

**Faculty Code : 003**

**Subject Code : 2031003**

**Time :  $2\frac{1}{2}$  Hours]**

**[Total Marks : 70**

**Instruction : Attempt any Five questions.**

- 1 (a) Answer the following questions : **04**
- (1) Full form of CPU.
  - (2) Full form of CU.
  - (3) Full form of IC.
  - (4) Can secondary storage device store data permanently ? (True/False)
- (b) Write down technologies used in each generation (First to Fifth). **02**
- (c) Draw the block diagram of Computer. **03**
- (d) Write a detail note on generations of computer. **05**
- 2 (a) Answer the following questions : **04**
- (1) How many generations of a computer are there ?
  - (2) Write down all Four classifications of computers (only names) by processing capabilities,
  - (3) What is generation ?
  - (4) Write down the full form of ALU.
- (b) What is ISA slot ? **02**
- (c) What is the use of UPS ? **03**
- (d) Write a detail note on slots. **05**

<b>3</b>	(a) Answer the following questions :	<b>04</b>
	(1) Standard keyboard has _____ keys on it.	
	(2) Full form of OMR.	
	(3) Full form of USB.	
	(4) Full form of CCTV.	
	(b) What is Keyboard.	<b>02</b>
	(c) What is trackball ?	<b>03</b>
	(d) Explain types of scanners in details.	<b>05</b>
<b>4</b>	(a) Answer the following questions :	<b>04</b>
	(1) Full form of MIDI.	
	(2) Full form of CD.	
	(3) Full form of DVD.	
	(4) Full form of OBR.	
	(b) What is glide pad ?	<b>02</b>
	(c) What is light pen ?	<b>03</b>
	(d) Explain Floppy disk and Magnetic tape.	<b>05</b>
<b>5</b>	(a) Answer the following questions :	<b>04</b>
	(1) Full form of CRT.	
	(2) Full form of LCD.	
	(3) Full form of LED.	
	(4) Full form of SGD.	
	(b) Explain LCD monitor.	<b>02</b>
	(c) List out names of impact and non impact printers.	<b>03</b>
	(d) Write down difference between Impact printers and Non Impact printers.	<b>05</b>
<b>6</b>	(a) Answer the following questions :	<b>04</b>
	(1) Full form of OLED.	
	(2) Full form of COM.	
	(3) Which type of printers print by external pressure ?	
	(4) Mixture of Cathode and Copper is used to generate output in which type of monitor ?	
	(b) Explain Headphone.	<b>02</b>
	(c) Write a detail note on Plotters.	<b>03</b>
	(d) Explain Google glass in detail.	<b>05</b>

- 7 (a) Answer the following questions : 04
- (1) Full form of ASCII.
  - (2) Full form of BCD.
  - (3) Full form of EBCDIC.
  - (4) Full form of BIT.
- (b) What is Assembler ? 02
- (c) Attempt Following question : 03
- (a)  $(1000111)_2 = (?)_{10}$
  - (b)  $(3942)_{10} = (?)_8$
  - (c)  $(356)_8 = (?)_{16}$
- (d) Write a detail note on software packages. 05
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- 8 (a) Answer the following questions : 04
- (1) 1 nibble = \_\_\_\_\_ bits.
  - (2) TB stands for \_\_\_\_\_
  - (3) 1 byte = \_\_\_\_\_ bits.
  - (4) GB stands for \_\_\_\_\_
- (b) What is compiler ? 02
- (c) What is word processing package ? 03
- (d) Explain Time sharing and Multi programming OS in 05 detail.
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- 9 (a) Answer the following questions : 04
- (1) Full form GPS.
  - (2) Full form of GIS.
  - (3) Full form of GSM.
  - (4) Full form of Wifi.
- (b) What is Backup/Restore ? 02
- (c) What is Cloud Computing ? 03
- (d) Write a detail note on types of Virus. 05

- 10 (a) Answer the following questions : 04**
- (1) Full form of UPS.
  - (2) Full form of GUI.
  - (3) Full form of CPS in terms of printing speed ?
  - (4) Full form of ATM.
- (b) What is Hard copy and Soft copy ? 02**
- (c) What do you mean by Shut down and Reboot ? 03**
- (d) Explain characteristics and Service Models of 05**  
Cloud Computing (IaaS, PaaS, SaaS)
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