



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

- 3 (a) Answer the following questions : 04
- (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. 02
- (c) What is trackball ? 03
- (d) Explain types of scanners in details. 05
- 4 (a) Answer the following questions : 04
- (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 ? 02
- (c) What is light pen ? 03
- (d) Explain Floppy disk and Magnetic tape. 05
- 5 (a) Answer the following questions : 04
- (1) Full form of CRT.
 - (2) Full form of LCD.
 - (3) Full form of LED.
 - (4) Full form of SGD.
- (b) Explain LCD monitor. 02
- (c) List out names of impact and non impact printers. 03
- (d) Write down difference between Impact printers and Non Impact printers. 05
- 6 (a) Answer the following questions : 04
- (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. 02
- (c) Write a detail note on Plotters. 03
- (d) Explain Google glass in detail. 05

- 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
-
- 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.
-
- 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)
-