



**DCV-003-2031003**

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

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

**August - 2022**

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

**Faculty Code : 003**

**Subject Code : 2031003**

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

[Total Marks : 70

**Instructions :** (1) There are total 10 main questions.  
(2) Attempt any five questions.

- 1 (a) Attempt the following questions : 4
- (1) Full form of ALU is \_\_\_\_\_.
  - (2) Full form of SDRAM is \_\_\_\_\_.
  - (3) Scanner is considered as Input Device.  
TRUE or FALSE?
  - (4) \_\_\_\_\_ is known as Father of Computer.
- (b) Write down different functions of Computer. 2
- (c) Differentiate: Primary Storage and Secondary Storage. 3
- (d) Explain different Generations of Computer. 5
- 2 (a) Attempt the following questions : 4
- (1) Full form of USB is \_\_\_\_\_.
  - (2) Full form of HDMI is \_\_\_\_\_.
  - (3) CD and DVD are considered as Volatile Memory.  
TRUE or FALSE?
  - (4) The first generation of Computer was started in  
\_\_\_\_\_ year.
- (b) What is Slot? Give name of few slots available in 2  
Computer.
- (c) Write a note on Serial and Parallel Ports in Computer. 3
- (d) Write down a note on Memory Structure and its types. 5

- 3** (a) Attempt the following questions : **4**
- (1) Full form of OBR is \_\_\_\_\_.
  - (2) Full form of POS is \_\_\_\_\_.
  - (3) \_\_\_\_\_ key is used to toggle the capital letter lock feature on/off.
  - (4) One Drive was launched in \_\_\_\_\_ by Microsoft Company.
- (b) Write down different functions of Mouse. **2**
- (c) Explain Punch Card as an Input Device. **3**
- (d) Write a detail note on Keyboard as an Input Device. **5**
- 4** (a) Attempt the following questions : **4**
- (1) Full form of OCR is \_\_\_\_\_.
  - (2) Full form of SSD is \_\_\_\_\_.
  - (3) \_\_\_\_\_ key is used to toggle the number lock feature on or off.
  - (4) 3.5 inch size floppy disk can store \_\_\_\_\_ MB of data.
- (b) Explain Characteristics of Hard Disk. **2**
- (c) What is Cloud Storage? Explain Google Drive in brief. **3**
- (d) Write down a note on Scanner and its types. **5**
- 5** (a) Attempt the following questions : **4**
- (1) Full form of DPI is \_\_\_\_\_.
  - (2) Full form of CRT is \_\_\_\_\_.
  - (3) What is COM?
  - (4) What is Plasma Display?
- (b) Define: Refresh Rate. **2**
- (c) Explain LCD as an Output Device. **3**
- (d) What is Plotter? Explain different types of Plotters. **5**

- 6** (a) Attempt the following questions : **4**
- (1) Full form of VDU is \_\_\_\_\_.
  - (2) Full form of SVGA is \_\_\_\_\_.
  - (3) What is SGD?
  - (4) What is Google Glass?
- (b) Define: Dot Pinch. **2**
- (c) Explain Facsimile (Fax) as an Output Device. **3**
- (d) Write difference between Impact Printers and Non-Impact Printers. **5**
- 7** (a) Attempt the following questions. **4**
- (1) 1 Nibble = \_\_\_\_\_ bits.
  - (2) What is Carry Bit?
  - (3) Full form of ASCII is \_\_\_\_\_.
  - (4) Decimal Number system contains \_\_\_\_\_ digits base.
- (b) Convert (1111011) binary to Hexa Decimal Number. **2**
- (c) Calculate 1's Complement of binary number 10101110. **3**
- (d) Write a note on Types of Operating System. **5**
- 8** (a) Attempt the following questions. **4**
- (1) 1 Octet = \_\_\_\_\_ bits.
  - (2) What is Parity Bit?
  - (3) Full form of EBCDIC is \_\_\_\_\_.
  - (4) Octal Number system contains \_\_\_\_\_ digits base.
- (b) Convert (1276) octal to Binary Number. **2**
- (c) Calculate 2's Complement of 01110011. **3**
- (d) Write a note on Types of Languages. **5**

- 9** (a) Attempt the following questions. **4**
- (1) Full form of GIS is \_\_\_\_\_.
  - (2) Full form of GPRS is \_\_\_\_\_.
  - (3) Full form of WIFI is \_\_\_\_\_.
  - (4) Define: Compiler.
- (b) What is Buffer and Spooling? **2**
- (c) What is Virus? Describe types of Virus? **3**
- (d) Explain Cloud Computing Architecture and its service models. **5**
- 10** (a) Attempt the following questions. **4**
- (1) Full form of GPS is \_\_\_\_\_.
  - (2) Full form of GSM is \_\_\_\_\_.
  - (3) Full form of LIFI is \_\_\_\_\_.
  - (4) Define: Interpreter.
- (b) What is Back-up and Restore? **2**
- (c) Differentiate: Hard Copy and Soft Copy. **3**
- (d) What is Emerging Technology? How it will be useful and need for future operations? Explain in your own words. **5**
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