



**DCV-003-1031003**

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

**B. C. A. (Sem. I) (CBCS) (WEF-2016) Examination**

**August - 2022**

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

**Faculty Code : 003**

**Subject Code : 1031003**

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

[Total Marks : 70

**Instructions :** (1) THERE ARE TOTAL 10 MAIN QUESTIONS.  
(2) ATTEMPT ANY FIVE (5) QUESTIONS.

- 1 (A) Attempt the following questions : 4
- (1) Full form of ALU is \_\_\_\_\_.
  - (2) Full form of DDR is \_\_\_\_\_.
  - (3) Microphone is considered as Input Device. TRUE or FALSE?
  - (4) \_\_\_\_\_ is known as Father of Computer.
- (B) Write down different characteristics of Computer. 2
- (C) Differentiate: Analog & Digital Computer. 3
- (D) Explain different Generations of Computer. 5
- 2 (A) Attempt the following questions : 4
- (1) Full form of RAM is \_\_\_\_\_.
  - (2) Full form of ROM is \_\_\_\_\_.
  - (3) Blue Ray is considered as Volatile Memory, TRUE or FALSE?
  - (4) The second generation of Computer was started in \_\_\_\_\_ year.
- (B) What is Socket? Give name of few sockets available in Computer. 2

- (C) Write a note on Graphics Card. **3**
- (D) Write down a note on Processors and its types. **5**
- 3** (A) Attempt the following questions : **4**
- (1) Full form of MICR is \_\_\_\_\_.
- (2) Full form of MIDI 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 Joy Stick as an Input Device. **3**
- (D) Write a detail note on Hard Disk. **5**
- 4** (A) Attempt the following questions : **4**
- (1) Full form of OCR is \_\_\_\_\_.
- (2) Full form of OMR 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 Floppy Disk. **2**
- (C) What is Touch Screen? **3**
- (D) Write down a note on Wireless Keyboard and Wireless Mouse. **5**
- 5** (A) Attempt the following questions : **4**
- (1) Full form of LED is \_\_\_\_\_.
- (2) Full form of LCD is \_\_\_\_\_.
- (3) Full form of COM is \_\_\_\_\_.
- (4) Define: Monitor.
- (B) Define: Refresh Rate. **2**
- (C) Explain Headphone 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 CRT is \_\_\_\_\_.
  - (2) Full form of VGA is \_\_\_\_\_.
  - (3) Full form of SGD is \_\_\_\_\_.
  - (4) Define: Printer.
- (B) Define: Dot Pinch. 2
- (C) Explain Facsimile (Fax) as an Output Device. 3
- (D) Write difference between Impact Printers & Non-Impact Printers. 5
- 7 (A) Attempt the following questions : 4
- (1) 1 GB = \_\_\_\_\_ megabytes.
  - (2) 1 MB = \_\_\_\_\_ kilo bytes.
  - (3) Full form of ASCII is \_\_\_\_\_.
  - (4) Hexa Decimal Number system contains \_\_\_\_\_ digits base.
- (B) Convert (1010011) binary to Octal Number. 2
- (C) Calculate 1's Complement of binary number 11010101. 3
- (D) Write a note on Types of Operating System. 5
- 8 (A) Attempt the following questions : 4
- (1) 1 Octet = \_\_\_\_\_ bits.
  - (2) 1 Nibble = \_\_\_\_\_ bits.
  - (3) Full form of EBCDIC is \_\_\_\_\_.
  - (4) Binary Number system contains \_\_\_\_\_ digits base.
- (B) Convert (3457) octal to Decimal Number. 2
- (C) Calculate 2's Complement of 01010101. 3
- (D) Write down uses and applications of Word Processing Packages. 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) Full form of LIFI is \_\_\_\_\_.

- (B) What is Data Bus? **2**
- (C) What is Cursor & Pointer? **3**
- (D) Explain Cloud Computing Advantages & Disadvantages. **5**
- 10** (A) Attempt the following questions : **4**
- (1) Full form of GPS is \_\_\_\_\_.
- (2) Full form of GSM is \_\_\_\_\_.
- (3) Full form of ATM is \_\_\_\_\_.
- (4) Full form of SLM is \_\_\_\_\_.
- (B) What is pop up Menu? **2**
- (C) Explain Wild Card Characters? **3**
- (D) What is Emerging Technology? How it will be useful **5**  
and need for future operations? Explain in your own  
words.
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