

P.G.D.C.A Semester - 1 (CBCS) Examination**Oct/Nov. -2019 - [NEW COURSE]****COMPUTER FUNDAMENTALS & EMERGING TECHNOLOGY (CORE)****Time: 2:30 Hours****Marks: 70****Instructions:**

1. All questions are compulsory.
 2. Figures to the right indicate marks.
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- Q-1 [A] Attempt following questions. [03]
1. EPROM stands for _____.
 2. _____ unit perform arithmetic and logical calculations.
 3. USB stands for _____.
- Q-1 [B] Attempt following.(Attempt Any Two) [06]
1. Explain Analog and Digital computers.
 2. Explain Mini and Micro Computers.
 3. Write short note on CPU.
- Q-1 [C] Attempt following (Attempt Any One) [05]
1. Explain different Computer Generations in detail.
 2. Explain types of primary storage available in computer.
- Q-2 [A] Attempt following questions. [03]
1. CRT stands for _____.
 2. _____ device is called standard input device.
 3. MICR stands for _____.
- Q-2 [B] Attempt following (Attempt Any Two) [06]
1. Explain keyboard and mouse.
 2. Explain OMR and OBR.
 3. Explain different types of Plotters.
- Q-2 [C] Attempt following.(Attempt Any One) [05]
1. Discuss Any two types of Impact printers.
 2. Explain LED and OLED Technology.
- Q-3 [A] Attempt following questions [03]
1. Tracks are subdivided in to small parts which are known as _____.
 2. Floppy disk is types of magnetic storage device.(True/False)
 3. DVD stands for _____.
- Q-3 [B] Attempt following questions [06]
1. Write short note on Floppy Disk.
 2. Explain Blu-Ray Disk.
 3. Write short note on Flash Memory.

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| Q-3 | [C] Attempt following.(Attempt Any One) | [05] |
| | 1. Explain storage mechanism of Magnetic storage devices. | |
| | 2. Write short note on cloud storage. | |
| Q-4 | [A] Attempt following questions | [03] |
| | 1. 1024 KB = _____ MB. | |
| | 2. $10101100101_2 = \underline{\hspace{2cm}}_8$. | |
| | 3. $1111010_2 = \underline{\hspace{2cm}}_{16}$. | |
| Q-4 | [B] Attempt following.(Attempt Any Two) | [06] |
| | 1. Explain types of numbering system. | |
| | 2. Write note on Parity Check. | |
| | 3. Explain binary addition and binary subtraction arithmetic with its example. | |
| Q-4 | [C] Attempt following.(Attempt Any One) | [05] |
| | 1. Explain Online and Real time operating system. | |
| | 2. Explain Machine Level Language with its Advantages and Disadvantages. | |
| Q-5 | [A] Attempt following questions. | [03] |
| | 1. MODEM stands for_____. | |
| | 2. CDMA stands for_____. | |
| | 3. SAAS stands for _____. | |
| Q-5 | [B] Attempt following.(Attempt Any Two) | [06] |
| | 1. Write note on GIS. | |
| | 2. Write note on LiFi. | |
| | 3. What is Cloud computing? | |
| Q-5 | [C] Attempt following.(Attempt Any One) | [05] |
| | 1. What is Virus? Explain types of Virus. | |
| | 2. Explain Bluetooth and Infrared communication technology. | |
