

B.C.A Semester - 1 (CBCS) Examination**Jan/Feb.-2022 (NEW COURSE)****COMPUTER FUNDAMENTALS & EMERGING TECHNOLOGY (CORE)****Time: 1:30 Hours****Marks: 42****Instructions:**

1. Figures to the right indicate marks.
2. There are five questions in the question paper.
3. Answer any three of the following questions.

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- Q-1 (a) Answer the following questions [3]
1. Write full form of ROM.
2. Write full form of CPU.
3. Write full form of USB.
- (b) Answer the following questions (ANY TWO) [6]
1. Explain classification of Computers by Processing Capabilities.
2. List out different secondary storage devices and explain anyone.
3. Explain different types of cables.
4. Explain simple model of computer.
- (c) Answer the following questions (ANY ONE) [5]
1. Explain different generations of Computers.
2. Explain ROM, PROM, EPROM, EEPROM.
- Q-2 (a) Answer the following questions [3]
1. Write full form of LCD.
2. What is POS?
3. Write full form of MICR.
- (b) Answer the following questions (ANY TWO) [6]
1. Differentiate: Impact and Non-Impact Printers.
2. Explain different types of plotters.
3. Explain Wireless devices.
4. Explain Google Glass and COM.
- (c) Answer the following questions (ANY ONE) [5]
1. List out different output devices and explain any two in detail.
2. List out different input devices and explain any two in detail.
- Q-3 (a) Answer the following questions [3]
1. Write full form of USB.
2. Write full form of DVD.
3. What is flash memory?
- (b) Answer the following questions (ANY TWO) [6]
1. Explain Seek Time and Rotational delay – Latency.
2. Explain Reading and Writing data to and from storage devices.
3. Explain Cloud Storage.
4. Explain pen drive.
- (c) Answer the following questions (ANY ONE) [5]
1. Explain Storage Mechanism of Magnetic Storage Devices.
2. List different magnetic storage devices and explain any one.
- Q-4 (a) Answer the following questions [3]
1. 1 Nibble = _____ BIT.
2. 1 KB = _____ Byte.
3. Base of OCTAL number system is _____.

- (b) Answer the following questions (ANY TWO) [6]
1. Explain 1's Compliments and 2's Compliments of binary numbers.
 2. List out different types of Numbering system and explain it.
 3. Explain different Software Packages.
 4. Explain different Translators.
- (c) Answer the following questions (ANY ONE) [5]
1. Explain different types of operating systems.
 2. Explain Binary to decimal number conversion with example.
- Q-5 (a) Answer the following questions [3]
1. What is GPS?
 2. What is WiFi?
 3. What is GIS?
- (b) Answer the following questions (ANY TWO) [6]
1. Explain: Cell Phone and Modem.
 2. Explain: Infrared and Bluetooth.
 3. Explain VOLTE.
 4. Explain GSM.
- (c) Answer the following questions (ANY ONE) [5]
1. What is Virus? Explain different types of Virus.
 2. Explain Cloud Computing.
