

**B.C.A Semester - 1 (CBCS) Examination
Feb/Mar. -2021 (OLD COURSE)**

COMPUTER FUNDAMENTALS AND 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. | (04) |
| | <ol style="list-style-type: none">1. Full form of ALU.2. Full form of CPU.3. Year of First Generation Computer _____4. Full form of IC. | |
| Q.1(B) | Answer the following question. (any one) | (02) |
| | <ol style="list-style-type: none">1. List out characteristics of computer by data processed and define any two of them.2. Define Analog computer. | |
| Q.1(C) | Answer the following question. (any one) | (03) |
| | <ol style="list-style-type: none">1. Explain the block diagram of computer in brief.2. Explain types of cables in brief. | |
| Q.1(D) | Answer the following question. (any one) | (05) |
| | <ol style="list-style-type: none">1. Explain the generations of computer in brief.2. Explain Ports and Describe any two of them in brief. | |
| Q.2(A) | Answer the following questions. | (04) |
| | <ol style="list-style-type: none">1. Full form for OCR.2. Full form for OBR.3. Full form for CD.4. List out types of cloud storage. | |
| Q.2(B) | Answer the following question. (any one) | (02) |
| | <ol style="list-style-type: none">1. Define Seek time.2. Define Response time. | |
| Q.2(C) | Answer the following question. (any one) | (03) |
| | <ol style="list-style-type: none">1. Explain keyboard.2. Explain MIDI. | |
| Q.2(D) | Answer the following question. (any one) | (05) |
| | <ol style="list-style-type: none">1. Define input devices and explain any three of them in brief.2. Explain types of Magnetic Storage Device in brief. | |
| Q.3(A) | Answer the following questions. | (04) |
| | <ol style="list-style-type: none">1. Full form for CRT.2. Full form SGD.3. Full form for FAX.4. Define Google Glass. | |
| Q.3(B) | Answer the following question. (any one) | (02) |
| | <ol style="list-style-type: none">1. List out type of impact Printer and explain any one of them.2. Define Non impact Printer. | |
| Q.3(C) | Answer the following question. (any one) | (03) |
| | <ol style="list-style-type: none">1. List out Non Impact Printer and explain any one of them in brief.2. Define Plotter and also explain its types. | |
| Q.3(D) | Answer the following question. (any one) | (05) |
| | <ol style="list-style-type: none">1. Explain Output devices in brief.2. Explain ink-jet Printer with its advantages and disadvantages. | |

- Q.4(A) Answer the following questions. (04)
1. Full form for KB.
 2. Full form for TB.
 3. Base for Hexadecimal value is _____
 4. Base for Octal Value is 7. (True/False)
- Q.4(B) Answer the following question. (any one) (02)
1. Covert the value in 1's complement: (111010101)
 2. Perform the Addition for the given value: (1010101+1000011)
- Q.4(C) Answer the following question. (any one) (03)
1. Convert the value in 2's Complement: (11101010101)
 2. Perform the subtraction for the given value: (111011-1001)
- Q.4(D) Answer the following question. (any one) (05)
1. Explain the types of Operating System in Brief.
 2. Explain the types of Languages in brief.
- Q.5(A) Answer the following questions. (04)
1. Full form for GIS.
 2. Full form for Wi-Fi.
 3. Full form for GUI.
 4. Full form for CPS.
- Q.5(B) Answer the following question. (any one) (02)
1. Define Hard Copy and Soft Copy.
 2. Define Virus, List out their Types.
- Q.5 (C) Answer the following question. (any one) (03)
1. Explain IaaS, PaaS and SaaS service Models in short.
 2. Explain Backup and Restore in brief.
- Q.5 (D) Answer the following question. (any one) (05)
1. Explain the Communication Devices in brief.
 2. Explain Printing Speed in brief.
