

P.G.D.C.A Semester - 1 (CBCS) Examination**Feb/Mar. -2021 (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. (All Three) (03)
1. Charles Babbage is known as_____.
 2. Give Full Form: RAM
 3. Give Full Form: CPU
- Q.1(B) Answer the following questions. (Any Two) (06)
1. Write a short note on ENIAC Computer.
 2. Describe shortly: USB port.
 3. Explain Sound Card in detail.
- Q.1(C) Answer the following questions. (Any One) (05)
1. Draw Block diagram of computer and explain it in detail.
 2. Explain: 3th Generation computer.
- Q.2(A) Answer the following questions. (All Three) (03)
1. Give Full Form: OCR
 2. Give definition: Mouse
 3. Give definition: Touch Screen
- Q.2(B) Answer the following questions. (Any Two) (06)
1. Explain is Headphone.
 2. What is Point of Sale (POS)? Explain it.
 3. Describe: LED Monitor.
- Q.2(C) Answer the following questions. (Any One) (05)
1. Give difference between “impact printer” and “non-impact printer”
 2. Write a short note on: Laser Printer.
- Q.3(A) Answer the following questions. (All Three) (03)
1. Give Full Form: FAT
 2. What is Sector?
 3. Give Full Form: USB
- Q.3(B) Answer the following questions. (Any Two) (06)
1. Describe: Pan Drive.
 2. What is Cloud Storage? Also explain Google Drive.
 3. Write down short note on: Floppy disk

- Q.3(C) Answer the following questions. (Any One) (05)
1. What is Hard disk? How it works? Explain in details.
 2. Give the difference between CD, DVD and Blue-Ray Disk.
- Q.4(A) Answer the following questions. (All Three) (03)
1. Convert: $100101_2 = \underline{\hspace{1cm}}_8$
 2. Convert: $BD83_{16} = \underline{\hspace{1cm}}_2$
 3. Convert: $110010101111.1000_2 = \underline{\hspace{1cm}}_{16}$
- Q.4(B) Answer the following questions. (Any Two) (06)
1. Calculate: 1. $11001+01111$ 2. $100011+101010$ 3. $1111+1111$
 2. What is UniCode? Explain it.
 3. Explain: Machine Level Language, Assembly Level Language and High Level Language.
- Q.4(C) Answer the following questions. (Any One) (05)
1. What is Operating System? Explain Online and Real Time operating system in detail.
 2. Explain: Assembler, Compiler and Interpreter.
- Q.5(A) Answer the following questions. (All Three) (03)
1. Give Full Form: Wi-Fi
 2. Give Full Form: GPS
 3. Define: Infrared.
- Q.5(B) Answer the following questions. (Any Two) (06)
1. Write a short note: Bluetooth.
 2. What is “Modem”? How it works? Explain it.
 3. Write in detail about “Wi-Fi” technology.
- Q.5 (C) Answer the following questions. (Any One) (05)
1. Describe: Cloud Computing. Also explain their characteristic and service models (IaaS, PaaS, SaaS).
 2. What is Computer Virus? Explain their types. How can protect our computer from virus?
