

P.G.D.C.A Semester - 1 (CBCS) Examination**Nov/Dec-2023 (SYLLABUS YEAR JUNE-2016)****COMPUTER FUNDAMENTALS & EMERGING TECHNOLOGY(CORE)****Time: 2:30 Hours****Marks: 70****Instructions:**

1. Figures to the right indicate marks.
 2. All questions are compulsory.
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- Que.1(A) Answer the following questions. (04)
1. Who is known as “father of modern computer”?
 2. Give Full Form: IBM.
 3. Give Full Form: ULSI.
 4. Give definition of Analog computer.
- Que.1(B) Answer the following question. (any one) (02)
1. Write a short note on Super Computer.
 2. Describe shortly: USB port.
- Que.1(C) Answer the following question. (any one) (03)
1. Explain RAM and ROM.
 2. Explain Graphics Card and Sound Card.
- Que.1(D) Answer the following question. (any one) (05)
1. Draw Block diagram of computer and explain it in detail.
 2. Explain: 3th Generation computer.
- Que.2(A) Answer the following questions. (04)
1. Give Full Form: CD-ROM.
 2. Give Full Form: OMR.
 3. Give definition: Mouse.
 4. Give definition: Touch Screen
- Que.2(B) Answer the following question. (any one) (02)
1. Explain Pen Drive. (flash memory)
 2. How magnetic tape work? Explain it.
- Que.2(C) Answer the following question. (any one) (03)
1. Explain Cloud Storage in detail.
 2. Explain MICR in detail.
- Que.2(D) Answer the following question. (any one) (05)
1. Explain wireless devices in details. Also write down their advantages.
 2. Write a short note on Hard Disk Drive.
- Que.3(A) Answer the following questions. (04)
1. Give definition: Output Device.
 2. When plotter printer is used?
 3. Give Full Form: CRT.
 4. Give Full Form: DPI.
- Que.3(B) Answer the following question. (any one) (02)
1. Explain Headphone as output device.
 2. How ink-jet printer works?
- Que.3(C) Answer the following question. (any one) (03)
1. Give difference between impact printer and non-impact printer.
 2. Explain Google glass.

- Que.3(D) Answer the following question. (any one) (05)
1. Write a short note on LCD monitor.
 2. Write a short note on Dot matrix printer.
- Que.4(A) Answer the following questions. (04)
1. Convert: $101111_2 = \underline{\hspace{2cm}}_8$
 2. Convert: $3475_8 = \underline{\hspace{2cm}}_2$
 3. Convert: $AB56_{16} = \underline{\hspace{2cm}}_2$
 4. Convert: $11010110.1110_2 = \underline{\hspace{2cm}}_{16}$
- Que.4(B) Answer the following question. (any one) (02)
1. Calculate: [1] $110110 + 011110$ [2] $10101111 + 11001001$
 2. Calculate: [1] $1100 - 1010$ [2] $10001 - 01011$
- Que.4(C) Answer the following question. (any one) (03)
1. What is number system? Explain their types.
 2. Explain animation processing package.
- Que.4(D) Answer the following question. (any one) (05)
1. What is Operating System? Explain Time sharing operating system in detail.
 2. Explain: assembler, compiler and interpreter.
- Que.5(A) Answer the following questions. (04)
1. Give Full Form: Wi – Fi.
 2. Give Full Form: ATM.
 3. What is e-mail and attachment?
 4. What is backup?
- Que.5(B) Answer the following question. (any one) (02)
1. What is hard copy and soft copy?
 2. List out types of Virus. Explain any one.
- Que.5(C) Answer the following question. (any one) (03)
1. What is MODEM? Explain it.
 2. Write a short note: Bluetooth.
- Que.5(D) Answer the following question. (any one) (05)
1. Explain GPS? How it works?
 2. What is computer virus? How can we protect our computer from virus?
