

P.G.D.C.A Semester - 1 (CBCS) Examination**Nov/Dec - 2022 [OLD 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.

Question:1(A) Answer the following questions.	04
(1) Who is known as “father of modern computer”?	
(2) Give Full Form : CPU	
(3) Give Full Form : ULSI	
(4) Give definition of Analog computer.	
Question:1(B) Answer the following question. (any one)	02
(1) Write a short note on Super Computer.	
(2) describe shortly : USB port.	
Question:1(C) Answer the following question. (any one)	03
(1) Explain Graphics Card and Sound Card.	
(2) Explain RAM and ROM.	
Question:1 (D) Answer the following question. (any one)	05
(1) Draw Block diagram of computer and explain it in detail.	
(2) Explain : 3 th Generation computer.	
Question:2 (A) Answer the following questions.	04
(1) Give Full Form : OMR	
(2) Give Full Form : CD-ROM	
(3) Give definition : Mouse.	
(4) Give definition : Touch Screen	
Question:2 (B)Answer the following question. (any one)	02
(1) Explain Pen Drive.	
(2) How magnetic tape works? Explain it.	
Question:2 (C) Answer the following question. (any one)	03
(1) Explain Cloud Storage in detail.	
(2) Explain MICR in detail.	
Question: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.	
Question: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	
Question:3 (B) Answer the following question. (any one)	02
(1) Explain Headphone as output device.	
(2) How ink-jet printer works?	
Question:3 (C) Answer the following question. (any one)	03
(1) Give difference between impact printer and non-impact printer.	
(2) Explain Google glass.	

- Question: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.
- Question: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 : $11010110.1110_2 = \underline{\hspace{2cm}}_{16}$
- Question:4 (B) Answer the following question. (any one) 02
- (1) Calculate : [1] $110110 + 011110$ [2] $10101111 + 11001001$
 - (2) Calculate : [1] $1100 - 1010$ [2] $10001 - 01011$
- Question:4 (C) Answer the following question. (any one) 03
- (1) What is number system? Explain their types.
 - (2) Explain animation processing package.
- Question: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.
- Question:5 (A) Answer the following questions. 04
- (1) Give Full Form : ATM
 - (2) Give Full Form : Wi - Fi
 - (3) What is e-mail and attachment?
 - (4) What is backup?
- Question:5 (B) Answer the following question. (any one) 02
- (1) What is hard copy and soft copy?
 - (2) List out types of Computer Virus. Explain any one.
- Question:5 (C) Answer the following question. (any one) 03
- (1) What is Net Meeting? Explain it.
 - (2) Write a short note : Bluetooth.
- Question: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?
