

P.G.D.C.A Semester - 1 (CBCS) Examination**Oct/Nov. -2018****COMPUTER FUNDAMENTALS & EMERGING TECHNOLOGY(CORE)****Time: 2:30 Hours****Marks: 70****Instructions:**

1. All questions are compulsory.
 2. Figures to the right indicate marks.
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- Q-1(A) Attempt following. (03)
- (1) CPU stands for_____
 - (2) CU stands for_____
 - (3) ALU stands for_____
- Q-1(B) Attempt any two (06)
- (1) What is computer and its application?
 - (2) Explain generations of computer.
 - (3) Explain analog and hybrid computer.
- Q-1(C) Attempt any one (05)
- (1) Explain characteristics of computer.
 - (2) Explain types of computers in detail.
- Q-2(A) Attempt following. (03)
- (1) OCR stands for_____
 - (2) OMR stands for_____
 - (3) MICR stands for_____
- Q-2(B) Attempt any two (06)
- (1) Explain mouse and keyboard input device.
 - (2) Explain light pen and digitizer.
 - (3) Explain Touch Screen and led.
- Q-2(C) Attempt any one (05)
- (1) Explain all types of magnetic storage devices.
 - (2) Explain storage mechanism of magnetic devices.
- Q-3(A) Attempt following. (03)
- (1) CRT stands for_____
 - (2) LCD stands for_____
 - (3) LED stands for_____
- Q-3(B) Attempt any two (06)
- (1) What is impact printer and explain dot matrix printer.
 - (2) What is Non-impact printer and explain ink-jet printer.
 - (3) Explain CRT display and LCD display.

- Q-3(C) Attempt any one (05)
- (1) Explain Plasma display.
 - (2) Explain Google glass.
- Q-4(A) Attempt following. (03)
- (1) ASCII stands for_____
 - (2) BCD stands for_____
 - (3) KB stands for_____
- Q-4(B) Attempt any two (06)
- (1) What is nibble and sign bit?
 - (2) What is carry bit and parity bit?
 - (3) Explain Decimal and Hexadecimal number system.
- Q-4(C) Attempt any one (05)
- (1) Explain types of programming languages.
 - (2) Explain types of operating system.
- Q-5(A) Attempt following. (03)
- (1) GIS stands for_____
 - (2) GPS stands for_____
 - (3) GSM stands for_____
- Q-5(B) Attempt any two (06)
- (1) Difference between Wi-Fi and Li-Fi
 - (2) Explain Bluetooth and infrared.
 - (3) Explain problem and protection from virus.
- Q-5(C) Attempt any one (05)
- (1) Explain cloud computing and its characteristics.
 - (2) Explain history and types of virus.
