



NBO-003-1021001 Seat No. _____

P. G. D. C. A. (Sem. I) (CBCS) Examination

April / May – 2017

**CS - 01 : Computer Fundamentals & Emerging
Technology**

Faculty Code : 003

Subject Code : 1021001

Time : $2\frac{1}{2}$ Hours]

[Total Marks : 70

- 1 (A) Attempt following questions : 4
- (1) Full form of PROM is _____.
 - (2) The Unit where all the processing is done is called as _____.
 - (3) Who is known as father of Computer ?
 - (4) Performance of a supercomputer is measured in _____.
- (B) Attempt any one : 2
- (1) What is Computer ? Write the uses of Computer.
 - (2) What is Network Card ?
- (C) Attempt any one : 3
- (1) Explain Parallel Cable and USB Cable.
 - (2) Explain Data Processing Cycle.
- (D) Attempt any one : 5
- (1) Write a note on Ports with its different types.
 - (2) Discuss on Computer Generations.
- 2 (A) Attempt following questions : 4
- (1) Full form of OMR is _____.
 - (2) _____ is the base where all the platters are mounted.
 - (3) The first mouse was invented by _____.
 - (4) Access Time + Data Transfer Time = _____.

- (B) Attempt any one : 2
 (1) What is Optical Mouse ?
 (2) Explain Light Pen.
- (C) Attempt any one : 3
 (1) Explain DVD.
 (2) Explain MICR.
- (D) Attempt any one : 5
 (1) Write a note on Camera with its different categories.
 (2) Discuss on Magnetic Disk Storage media.
- 3 (A) Attempt following questions : 4
 (1) Printer which prints with striking on the ribbon and paper is called _____.
 (2) A CRT monitor's screen is coated with tiny dots of phosphor material, called _____.
 (3) Which one device uses Electron Beam to display the data on Monitor ?
 (4) The distance between two pixels is known as _____.
- (B) Attempt any one : 2
 (1) What is SGD ?
 (2) What is Google Glass ?
- (C) Attempt any one :
 (1) Explain any two types of Plotters.
 (2) Explain Dot Matrix Printer.
- (D) Attempt any one : 5
 (1) Write a note on CRT.
 (2) Explain any two types of Non-Impact Printer.
- 4 (A) Attempt following questions : 4
 (1) BCD stands for _____.
 (2) What is Byte ?
 (3) _____ is system software which acts as an interface between applications programs and the computer hardware.
 (4) What is Nibble ?

- (B) Attempt any one : 2
- (1) Give difference between Compiler v/s Interpreter
 - (2) What is UniCode ?
- (C) Attempt any one : 3
- (1) What are Carry Bit, Sign Bit and Parity Bit ?
 - (2) Explain 1's Complement and 2's Complement with examples.
- (D) Attempt any one : 5
- (1) Discuss any two types of Operating Systems in detail.
 - (2) Explain any two Application Software Packages.
- 5 (A) Attempt following questions : 4
- (1) We use _____ communication system every time because we can control your television with a remote control.
 - (2) TDMA stands for _____.
 - (3) _____ is the process where you copy all your data for the purpose of safety and mainly for the future use.
 - (4) ATM stands for _____.
- (B) Attempt any one : 2
- (1) What is Cloud Computing ?
 - (2) Explain how GSM works.
- (C) Attempt any one : 3
- (1) Write a note on Modem.
 - (2) Write a note on WiFi.
- (D) Attempt any one : 5
- (1) Explain Terms : Reboot, Restore, Wild Card Characters, UPS, and Email.
 - (2) What is Virus ? 'Discuss different types of Virus.