



HCL-003-1021001 Seat No. _____

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

October – 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) What is Computer ?
 - (2) EEPROM stands for _____.
 - (3) What is MotherBoard ?
 - (4) The Memory which flushes its contents as soon as power is switched off can be called as _____ memory.
- (B) Attempt any **one** : 2
- (1) Explain Data Processing Cycle.
 - (2) What is Graphics Card ?
- (C) Attempt any **one** : 3
- (1) Explain SRAM and PROM.
 - (2) Explain Analog and Digital Computers.
- (D) Attempt any **one** : 5
- (1) Discuss different Generations of Computers.
 - (2) Discuss different types of Computer Ports.

- 2 (A) Attempt following questions : 4
- (1) What is Keyboard ?
 - (2) What is Mouse ?
 - (3) MICR stands for _____.
 - (4) What is Seek Time ?
- (B) Attempt any **one** : 2
- (1) What is OMR ?
 - (2) Explain Trackball device.
- (C) Attempt any **one** : 3
- (1) Explain Floppy Disk.
 - (2) Discuss on Cloud Storage.
- (D) Attempt any **one** : 5
- (1) Explain Light Pen and Joy Stick Devices.
 - (2) Explain Magnetic Tape Storage Device.
- 3 (A) Attempt following questions : 4
- (1) What is Output device ?
 - (2) What is DPI ?
 - (3) VDU stands for _____.
 - (4) What is Printer ?
- (B) Attempt any **one** : 2
- (1) Explain Google Glass.
 - (2) Explain OLED.
- (C) Attempt any **one** : 3
- (1) Write a note on Plasma Display.
 - (2) Write a note on LCD.

- (D) Attempt any **one** : 5
- (1) Write note on CRT in detail.
 - (2) Discuss any two types of Non impact Printers.
- 4 (A) Attempt following questions : 4
- (1) What is Bit ?
 - (2) What is Compiler ?
 - (3) EBCDIC stands for _____.
 - (4) What is sign Bit ?
- (B) Attempt any **one** : 2
- (1) What is BCD ?
 - (2) Explain Parity Check.
- (C) Attempt any **one** : 3
- (1) Explain Machine Level Language with its Advantages and Disadvantages.
 - (2) Explain Presentation and Database Application software packages.
- (D) Attempt any **one** : 5
- (1) Explain any two types of OS.
 - (2) Explain Binary Multiplication and Binary Division Arithmetic with its examples.
- 5 (A) Attempt following questions : 4
- (1) What is File ?
 - (2) What is Data Bus ?
 - (3) What is Backup ?
 - (4) ATM stands for _____.

- (B) Attempt any **one** : **2**
- (1) What is Email and attachment ?
 - (2) What is Menu and Popup Menu ?
- (C) Attempt any **one** : **3**
- (1) What is Modem ? Discuss with its types.
 - (2) What is GPS ? Discuss how GPS works.
- (D) Attempt any **one** : **5**
- (1) Write a note on Cloud Computing in detail.
 - (2) What is Virus ? Explain with its different types.
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