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

November / December - 2018

CS - 01 : Computer Fundamentals & Emerging Technology

Faculty Code : 003

Subject Code : 1021001

Time : $2\frac{1}{2}$ Hours]   [Total Marks : **70**

1 (a) Attempt the following objective questions :   **4**
   (1) Full form of EPROM is _____.
   (2) Full Form of CRT.
   (3) What is Computer ?
   (4) _____ Generation IBM 1401 is used.

   (b) Answer in brief : (any **one**)   **2**
   (1) Explain characteristics of computer.
   (2) Explain Computer Cables.

   (c) Answer in detail : (any **one**)   **3**
   (1) Explain types of slot.
   (2) Explain types of Memory.

   (d) Write a note on : (any **one**)   **5**
   (1) Explain Computer Generation.
   (2) Explain Block Diagram of computer.

2 (a) Attempt the following objective questions :   **4**
   (1) List out types of Scanner.
   (2) What is Seek Time ?
   (3) Full form of OMR.
   (4) POS stands for _____.

(b) Answer in brief : (any **one**) 2

(1) Explain LightPen and Mouse as input devices.

(2) Describe Cloud storage.

(c) Answer in detail : (any **one**) 3

(1) Explain MICR.

(2) Write a short note on USB – pendrive.

(d) Write a note on : (any **one**) 5

(1) Explain HDD with its features.

(2) Explain Digitizer Graphics Tablet and Glid-Pad.

3 (a) Attempt the following objective questions : 4

(1) The output quality of a printer is measured by _____.

(2) Full form of LED.

(3) List out types of printer.

(4) Full form of FAX.

(b) Answer in brief : (any **one**) 2

(1) Explain Google Glass.

(2) What is Output device ? Explain it.

(c) Answer in detail : (any **one**) 3

(1) Explain CRT monitor.

(2) Explain OLED and COM.

(d) Answer in detail : (any **one**) 5

(1) Explain plotter with its type.

(2) Explain Inkjet printer with its advantages and disadvantages.

4 (a) Attempt the following objective questions :   **4**

(1) ASCII stands for _____.

(2) What is compiler ?

(3) A byte consists of _____ bits.

(4) What is Byte ?

(b) Answer in brief : (any **one**)   **2**

(1) Convert as per the following :

(a) Decimal to Hexadecimal : 1534

(b) HexaDecimal to Octal : 1EF9C

(2) Convert as per the following :

(a) Find 2's complement : 100001100

(b) Find Addition : 100111 + 100011

(c) Answer in detail : (any **one**)   **3**

(1) Explain types of OS.

(2) Explain Even Parity and Odd Parity System.

(d) Answer in detail : (any **one**)   **5**

(1) Explain Software Packages.

(2) Explain types of computer language.

5 (a) Attempt the following objective questions :   **4**

(1) Full form of CDMA.

(2) Full form of SaaS.

(3) What is ATM ?

(4) A _____ is a program that is loaded on to your computer without your knowledge and runs against your wishes.

(b) Answer in brief : (any **one**)   **2**

   (1) Define terms : Restore and Backup.

   (2) Define terms : Reboot and Restart.

(c) Answer in detail : (any **one**)   **3**

   (1) What is Cloud Computing ?

   (2) Explain service model.

(d) Answer in detail : (any **one**)   **5**

   (1) Explain types of virus.

   (2) Explain GSM and GPS.

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