



**HDG-003-1031003** Seat No. \_\_\_\_\_

**B. C. A. (Sem. II) (CBCS) Examination**

November / December – 2017

**CS - 03 : Computer Fundamentals & Emerging  
Technology  
(New Course)**

**Faculty Code : 003**

**Subject Code : 1031003**

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

[Total Marks : 70

- 1 (a) Attempt the following objective questions : 4
- (1) Full form of EDVAC \_\_\_\_\_.
  - (2) What is computer?
  - (3) Full form of DDR \_\_\_\_\_.
  - (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) Difference Between Analog, Digital and Hybrid computer.
  - (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) Full form of MIDI.
  - (2) What is Seek Time?
  - (3) Full form of MICR.
  - (4) POS stands for \_\_\_\_\_.

- (b) Answer in brief : (any **one**) **2**  
 (1) Explain Trackball and Mouse as input device.  
 (2) Describe Cloud Storage.
- (c) Answer in detail : (any **one**) **3**  
 (1) Explain OMR.  
 (2) Write a short note on DVD.
- (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 LCD.  
 (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 Laser 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 \_\_\_\_\_.  
 (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.