

Roll No. ....

# CD-2854

## B. C. A. (Part I) EXAMINATION, 2020

(Old Course)

Paper Fourth

FUNDAMENTALS OF I. T. AND O. S.

*Time : Three Hours*

*Maximum Marks : 100*

*Minimum Pass Marks : 40*

**Note :** Attempt any *two* parts of each question. All questions carry equal marks.

1. (a) Explain the types of softwares.  
(b) How to store and process data in computer system ? Explain it.  
(c) Describe types of PC systems.
2. (a) Describe the central processing unit.  
(b) Explain data storage and retrieval methods with example.  
(c) Explain the following :
  - (i) RAM & ROM
  - (ii) Plotters
3. (a) Differentiate Compiler and Interpreter with example.

- (b) What is BIOS ? How to load operating system into computer memory ? Explain it.
  - (c) Explain the following :
    - (i) System software
    - (ii) Trends in PC software
4. (a) Write syntax and example of the following unix/DOS commands :
- (i) CP
  - (ii) PWD
  - (iii) MD
  - (iv) rmdir
  - (v) DISKCOMP
- (b) Explain the working of system files and command.com.
- (c) Write any *four* differences between Internal and External command of DOS.
5. (a) How to create work groups and domains in win-OS ? Explain with their steps.
- (b) What are benefits of backup and recovery system ? Explain it.
- (c) Explain security and protection feature of windows OS.