

Roll No. ....

**D-3824**

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

**(Old Course)**

Paper Fourth

FUNDAMENTAL OF I. T. AND O. S.

**(102)**

*Time : Three Hours ]*

*[ Maximum Marks : 100*

*[ Minimum Pass Marks : 40*

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

**Unit—I**

1. (a) What is Computer ? Explain with the help of block diagram.
- (b) What is software ? Explain the types of softwares. Differentiate between hardware and software.
- (c) Write notes on the following :
  - (i) Pentium PC
  - (ii) Data Processing

**Unit—II**

2. (a) Differentiate between impact printers and non-impact printers. Give examples with suitable diagrams.
- (b) Explain in detail any *two* scanning devices and any *two* pointing devices with suitable diagrams.

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- (c) Write notes on the following :
  - (i) Indexed sequential data retrieval
  - (ii) Primary storage

**Unit—III**

3. (a) Define operating system. What are the different types of operating systems ?
- (b) Explain different types of language processors (Assembler, Compiler, Interpreter).
- (c) Write notes on the following :
  - (i) BIOS
  - (ii) Trends in PC software

**Unit—IV**

4. (a) What is a batch file ? How to create a batch file ? Explain any *five* external DOS commands.
- (b) What is DOS ? Explain physical structure of disks. Also explain system files of DOS.
- (c) Write notes on the following :
  - (i) Five Internal DOS Commands
  - (ii) Five Unix Commands

**Unit—V**

5. (a) What is Windows ? Explain security and protection features in windows. Migrating of data means what ?
- (b) Explain various versions of windows.
- (c) Write notes on the following :
  - (i) Quick Launch Toolbar
  - (ii) Workgroups and domains

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