

Roll No.

[2]

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.

- (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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