

DD—2854

B.C.A. (Part I) Examination – 2021

Paper Fourth

FUNDAMENTALS OF I.T. AND O.S. (OLD COURSE)

Time: Three Hours

Maximum marks: 100

Minimum Pass Marks: 40

Note: Attempt any two part from each question. All Question carry equal marks.

UNIT - I

1. a. What are the characteristics and capabilities of computer system? Explain.
- b. Draw a suitable block diagram of a computer and explain the functionality of each components of computer.
- c. Write short notes on following:
 - i. Micro Computers
 - ii. Mini Computers
 - iii. Main Frames

UNIT - II

2. a. What is Main Memory? What are the types of main memory? Differentiate between main memory and secondary memory in detail.
- b. Explain various scanning devices and Voice input devices in brief.
- c. How impact printers are different from non-impact printers? Explain in detail.

UNIT - III

3. a. What is software? Explain various types of system software and application software?
- b. What do you mean by language processors? Explain Compiler, Interpreter and Assembler in brief.
- c. Write short notes on following:
 - i. BIOS
 - ii. Booting Loader
 - iii. Program and Packages

UNIT - IV

4. a. What do you mean by DOS? Explain physical structure of disk in details.
- b. What are the difference between Internal and external command? Write and explain five internal and five external commands of DOS with example.
- c. What are the features of UNIX operating system? Explain the following command:-
 - i. pwd
 - ii. Cat
 - iii. Mail
 - iv. Chmod
 - v. type

UNIT - V

5. a. What is GUI operating system? How windows operating system is different from Linux. Explain various versions of windows operating system.
- b. What is the uses of control panel? Explain speech recognition and dictation features of windows.
- c. write sort notes on the following:
 - i. desktop
 - ii. Quick launch toolbar
 - iii. Networking features.