E–3891

B. C. A. (Part I) EXAMINATION, 2021

(New Course)

COMPUTER FUNDAMENTALS

(102)

Time : Three Hours]　　　　　　　[*Maximum Marks : 80*

[*Minimum Pass Marks : 27*

Note : Attempt any *two* Parts from each Unit. All questions carry equal marks.

Unit—I

1. (a) What do you understand by Computer ? Write the characteristics of computer.　　8

   (b) What do you mean by the term computer generation ? Discuss the salient features of IVth generation computers.　　8

   (c) Write short notes on the following :　　8

      (i) Logic Gate

      (ii) Data Processing

      (iii) Binary Number

      (iv) Hardware and Software

Unit—II

2. (a) What do you mean by scanning devices ? Explain any *two* scanning devices.   8

    (b) What do you mean by printer ? What is the difference between impact and non-impact printer ? Explain it.   8

    (c) Write short notes on the following :   8

        (i)   Direct Entry

        (ii) Flat Screen Technologies

        (iii) Plotters

        (iv) Pointing Deceives

Unit—III

3. (a) What do you mean by storage devices ? What are difference between Primary and Secondary Storage ? 8

    (b) What is the Central Processing Unit ? Explain with all components of Central Processing Unit.   8

    (c) Write short notes on the following :   8

        (i)   CD ROM

        (ii) Mass storage system

        (iii) Indexed sequential

        (iv) Tape storage devices

Unit—IV

4. (a) What is the Operating System ? How many types of operating system are there ? Explain.   8

(b) What do you mean by language processors ? Explain the different type of language processors.   8

(c) Write short notes on the following :   8

    (i) BIOS

    (ii) Utility Program

    (iii) Trends in PC Software

    (iv) Program and Package

Unit—V

5. (a) What is Physical Structure of the Disk ? Explain it.   8

   (b) What is WINDOWS ? Explain the various versions of WINDOWs.   8

   (c) Write short notes on the following :   8

    (i) Booting process

    (ii) Creating batch files

    (iii) Activating windows

    (iv) Control panel