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## ED-2852

### B.C.A. (Part-I) EXAMINATION, 2021 COMPUTER FUNDAMENTALS

#### Paper Second

Time : Three hours

Maximum Marks : 80

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

#### Unit-1

- 1.(a) Write about the different types of Computer by giving an example of each.
- (b) Explain Logic Gates and Truth Tables.
- (c) Draw the block diagram of computer and explain each part.

#### Unit-2

- 2.(a) Explain the use of Input Devices. Explain working of O.M.R. and MICR.
- (b) Write short notes on :
  - (1) Touch Screen Devices.
  - (2) Light Pens.

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- (c) Explain the working of Non-Impact Printers.

#### Unit-3

- 3.(a) What is the difference between Primary Memory (RAM) and Secondary Memory ? Explain different types of ROM.
- (b) Explain various data storage and retrieval methods.
- (c) Write short notes on :
  - (1) Hard Disk.
  - (2) CD-ROM.

#### Unit-4

- 4.(a) What do you understand by system software ? Explain its role.
- (b) What is BIOS ? How does it play an important role while booting your system ?
- (c) Explain the difference between a compiler and Interpreter ?

#### Unit-5

- 5.(a) Write three internal and three external commands of DOS with proper syntax and purpose.
- (b) Explain various features of Microsoft Window Operating System.
- (c) Write short notes on :
  - (1) Booting Process.
  - (2) Functions of Operating System.