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Roll No. ....

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**F-3941**

**B.C.A. (Part - I) Examination, 2022**

**(New Course)**

**COMPUTER FUNDAMENTALS**

**(102)**

*Time : Three Hours]*

*[Maximum Marks : 80*

*{Minimum Pass Marks : 27*

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

**Unit - I**

1. (a) Specify characteristics and capabilities of Computer System.

- (b) Differentiate between EBCDIC Code, Gray Code and BCD Code.
- (c) Briefly highlight data processing in Computer System.

**Unit - II**

2. (a) Explain various types of scanning input devices.
- (b) Differentiate between pointing device and storage device.
- (c) What do you understand by plotter? Explain briefly.

**Unit - III**

3. (a) Discuss the working of various types of registers.
- (b) Discuss various methods of retrieving the data with suitable examples.
- (c) Discuss the functioning of cache memory.

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#### **Unit - IV**

4. (a) Differentiate between system software and application software.
- (b) Differentiate between Program and Package.
- (c) Specify the use of algorithm and flowchart.

#### **Unit - V**

5. (a) Discuss the booting process in terms of DOS, WINDOWS, and UNIX Operating System.
- (b) Explain various features of Windows 11 Operating System.
- (c) What do you understand by autoexec.bat file. Explain?