I/87—22   Roll No. ....

Annual Examination, 2022

B.C.A. Part I

B.C.A.-102

Paper II

(Computer Fundamentals)

Time : 3 Hours]   [MAXIMUM MARKS : 80

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

Unit–I

1. (a) Explain the block diagram of the computer in detail.

   (b) Explain the different types of computers with diagram.

   (c) Explain Gray and BCD Code.

Unit–II

2. (a) Explain the following :

   (i) Thumb Scanner

   (ii) Smart Card

P.T.O.

(b) Explain the different types of pointing devices.

(c) Explain the Cathode Ray tube and Projectors.

Unit–III

3. (a) Explain the following :

(i) ALU

(ii) Register

(iii) Buses

(iv) IC

(b) What is Memory ? Explain ROM and RAM in detail.

(c) Explain Sequential, direct. Indexed retriveal with example.

Unit–IV

4. (a) Explain System and Application S/W with example.

(b) Differentiate between Program and Packages.

(c) Explain the following :

(i) Assembler

(ii) Compiler

(iii) Interpreter

Unit–V

5. (a) Explain Fundamentals of DOS in detail.

(b) Discuss the Elementary External DOS Commands with example.

(c) Explain the following :

(i) Files and Folders

(ii) Types of icons.

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