

H-99-21

Roll No.

ANNUAL EXAMINATION, 2021

B.C.A. 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 different types of data processing system with example.
- (b) What is number system ? Explain octal and hexadecimal number system.
- (c) Explain NOR, NAND and XOR facts with truth table.

Unit-II

- (a) Explain any four input devices with diagram.

- (b) Write different types of printer. Explain any two types of printer in detail.
- (c) Explain flat screen technology and speakers with example.

Unit-III

3. (a) Explain the basic components of CPU with block diagram.
- (b) What is storage device ? Explain primary and secondary storage device. Explain with example.
- (c) Explain the following topics.
 - (i) Hard disks,
 - (ii) Optical disks,
 - (iii) CDROM.

Unit-IV

4. (a) Explain application and system software with example.
- (b) What is OS ? Explain different types of OS.
- (c) What is computer language ? Explain algorithm and flowchart with example.

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Unit-V

5. (a) Explain history and versions of DOS.
- (b) Explain any five Internal and External DOS commands with syntax.
- (c) Describe basic components of MS windows.

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