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BCACAC 131

**I Semester B.C.A. Degree Examination, April 2021
(Choice Based Credit System)
(2019 – 2020 Batch Onwards)
FUNDAMENTALS OF INFORMATION TECHNOLOGY**

Time : 3 Hours

Max. Marks : 80

Instruction : Answer **any ten** questions from Part – A and **one full** question from **each** Unit in Part – B.

PART – A

(10×2=20)

1. a) What is a super computer ?
- b) What are registers ?
- c) What is cache memory ?
- d) Differentiate bit and byte.
- e) Differentiate RAM from ROM.
- f) Write any two advantages of magnetic tapes.
- g) What is an input device ? Give any two examples.
- h) Expand LCD, MICR.
- i) What is system software ? Give examples.
- j) Explain the term freeware.
- k) Differentiate worksheet and workbook.
- l) What is a query in MS-Access ?

PART – B

Unit – I

2. a) Explain any five characteristics of computers.
- b) Explain the components of a computer system with diagram.
- c) Explain any five applications of a computer.

(5+5+5)

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- 3. a) Explain the evolution of computers.
- b) Give the characteristics of third generation computers.
- c) Write a note on mainframes. (5+5+5)

Unit – II

- 4. a) Explain memory hierarchy with a neat diagram.
 - b) What is a RAM ? Explain the two types of RAM.
 - c) Write a note on floppy disk. (5+5+5)
- 5. a) Write a note on magnetic tape.
 - b) Explain various types of ROM.
 - c) Briefly explain RAM, ROM and CPU interaction. (5+5+5)

Unit – III

- 6. a) Explain how the computer accepts input from the keyboard.
 - b) Explain the working of laser printer with a neat diagram.
 - c) Differentiate between CRT and LCD monitors. (5+5+5)
- 7. a) What are pointing devices ? Explain any two pointing devices.
 - b) What is a plotter ? Explain its different types.
 - c) Write a note on webcam. (5+5+5)

Unit – IV

- 8. a) Explain with neat diagram the different phases of program development cycle.
 - b) Explain the basic functions of operating system.
 - c) What is mail merge ? Explain the different components of mail merge. (6+4+5)
- 9. a) Explain the different database objects in MS-Access.
 - b) Explain briefly the different views of MS power point.
 - c) What is the use of chart in MS Excel ? Explain the different charts available in MS Excel. (5+5+5)