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BCACAC 131

**I Semester B.C.A. Degree Examination,
October/November 2019**

(Choice Based Credit System)

(2019-20 Batch Onwards)

Fundamentals of Information Technology

Time : 3 Hours]

[Max. Marks : 80

Instructions : Answer **any ten** questions from Part A and **any one** full question from each Unit of Part B.

PART – A

1. Answer **any ten** of the following :

(10 × 2 = 20)

- (a) List any two advantages of transistors over vacuum tubes.
- (b) Compare Mainframe Computers with Super Computers.
- (c) Differentiate Static RAM and Dynamic RAM.
- (d) List out the components inside a computer.
- (e) Expand EEPROM, MICR.
- (f) Mention any two advantages and disadvantages of Magnetic Tapes.
- (g) Define Input device and Output device.
- (h) What do you mean by (i) Resolution and (ii) Refresh Rate?
- (i) What are the functions of Language translators and Device Drivers?
- (j) What is the difference between Public Domain software and Open Source software?

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- (k) Define Table and Worksheet.
- (l) List various views in PowerPoint.

PART - B

UNIT - I

- 2. (a) Give the comparison between Second generation and Third generation computers.
- (b) List and explain the features of computer.
- (c) Write a note on Cache Memory (5 + 5 + 5)
- 3. (a) Discuss the classification of computers based on their features.
- (b) Explain the components of a computer system with a neat diagram.
- (c) Write a note on Motherboard. (5 + 5 + 5)

UNIT - II

- 4. (a) Explain briefly the Memory hierarchy of a computer system.
- (b) Write a note on (i) USB and (ii) Mass Storage Devices.
- (c) What are the advantages of Optical disks? (5 + 5 + 5)
- 5. (a) What is ROM? Explain briefly the different types of ROM.
- (b) Write a note on (i) Memory stick and (ii) Magneto Optical Storage Devices.
- (c) Briefly explain the mechanism of accessing data from Magnetic Disk. (5 + 5 + 5)

UNIT - III

- 6. (a) Write a note on Pointing devices.
- (b) Explain the working of a Laser printer.
- (c) Explain
 - (i) Two classes of Computer Graphics display.
 - (ii) Speech Recognition System (5 + 5 + 5)



7. (a) Write a note on Projectors and Electronic Whiteboard.
(b) Explain the working of digital Camera.
(c) Differentiate between LCD and CRT monitor. **(5 + 5 + 5)**

UNIT - IV

8. (a) Explain the different phases in Program Development Cycle.
(b) List and briefly explain the common functions of System Utility.
(c) What is Mail Merge feature of MS-WORD? Discuss the components of it.
(d) Explain Relative and Absolute Referencing in EXCEL. **(4 + 4 + 4 + 3)**
9. (a) Compare Second generation and Third generation languages.
(b) List and briefly explain the Database objects in MS ACCESS.
(c) Differentiate System Software and Application Software with examples.
(d) Write a note on PowerPoint Masters. **(4 + 4 + 4 + 3)**

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