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**UTTARANCHAL UNIVERSITY, DEHRADUN**  
**UTTARANCHAL SCHOOL OF COMPUTING SCIENCES**  
**MID TERM EXAMINATION**  
**ODD SEMESTER 2023-24**  
**BCA | I<sup>st</sup> Semester**  
**COMPUTER FUNDAMENTALS | BCA – C101**

Time: 1:15 Hour

Max. Marks: 30

Note: All questions are compulsory.

**Q.1- Answer the following questions.**

**(1 x 6 = 6 Marks)**

**Multiple Choice Questions**

- a) If the storage unit can retain its data even when power is turned off it is called: (CO1, BL-1)
- |                 |          |
|-----------------|----------|
| a. Volatile     | b. PROM  |
| c. Non-Volatile | d. EPROM |
- b) What is Landscape? (CO1, BL-1)
- |                     |                |
|---------------------|----------------|
| a. Page Orientation | b. Page Layout |
| c. Page Size        | d. Font Size   |
- c) Internal commands in DOS are: (CO2, BL-1)
- |                    |                          |
|--------------------|--------------------------|
| a. cls, rd, label  | b. dir, ren, sys         |
| c. time, type, dir | d. del, disk copy, label |
- d) BIOS is used : (CO2, BL-1)
- |                        |                         |
|------------------------|-------------------------|
| a. By Operating System | b. By Compiler          |
| c. By Interpreter      | d. Application Software |
- e) Which of the following is an output device? (CO1, BL-5)
- |            |        |
|------------|--------|
| a. Mouse   | b. BCR |
| c. Printer | d. CPU |
- f) Second generation Technology used (CO1, BL-1)
- |                 |         |
|-----------------|---------|
| a. Vacuum Tubes | b. LSI  |
| c. Transistors  | d. VLSI |

**Q.2-Write short note on any two (up to 70 words) (2 x 3 = 6 Marks)**

- a) Design and explain block diagram of Computer. (CO1, BL-6)
- b) Explain any two types of optical disk. (CO1, BL-2)
- c) What is Software? Define the types of it with example. (CO2, BL-2)



**Q.3-Attempt any one of the following**

**(1 x 6 = 6 Marks)**

- a) Explain primary and secondary memory used in computer system with the help of diagram. (CO1, BL-2)

**OR**

- b) Write short notes on: (CO1, BL-2)

- a) Input/Output devices
- b) Language Translators and its type
- c) Cache Memory
- d) Printer

**Q.4- Attempt any one of the following. (1 x 6 = 6 Marks)**

- a) Explain operating system? Discuss the various types of operating systems. (CO2, BL-2).

**OR**

- b) How can we create the following in MS-Word? (CO3, BL-6)

- a) Header-Footer
- b) Table
- c) Word-Art

**Q.5- Attempt any one of the following. (1 x 6 = 6 Marks)**

- a) What is MS-DOS? Explain any five internal and five external commands with its syntax (CO- 2, BL-2)

**OR**

- b) Explain all the generations of computers with technology used. (CO- 2, BL-1)