**ABES Engineering College, Ghaziabad**

**Department of Computer Science and Engineering**

**Prerequisite for Computer Architecture**

**NCS 505 Semester: V**

**Prerequisites:** Digital Design, Basics of Computer and Operating Systems

**Questionnaire:**

1. What is Computer?
2. Basic components of computer.
3. How many memories are there in computer system?
4. Difference between RAM and ROM?
5. What are major roles of Operating System?
6. Differentiate between Combinational and Sequential circuits.
7. Differentiate between flipflops and transistors and registers.
8. What are the IO devices?
9. How we choose a smart phone to buy.
10. What are the ideal features which we want to be there in our phone or laptop?
11. Is the knowledge of programming sufficient to take work with computer?
12. Differentiate between Micro and monolithic kernels.
13. What are the ranges of octal, binary and hexadecimal number systems?
14. Differentiate half adder and full adder.
15. Truth table and working of logic gates.
16. Working of Multiplexer and Demux.
17. What is process and what are the states of process.
18. Difference between multiprogramming, multiprocessing, multithreading, multitasking.
19. What is parallel processing?
20. Difference between process and thread.
21. What is round robin scheduling.