- Each question is of 2 marks.
- Answer briefly.
- Practice by keying your answers in a word document. This will ensure that while you appear online you have enough time to type and submit your answers.

1. List five critical issues in designing systems software. Define one of them.
2. Differentiate between multiprogramming and multiprocessing systems with a supporting example.
3. How are time-sharing systems different than multiprogramming systems?
4. Differentiate between monolithic and layered kernel design using a suitable example.
5. How are programs different than processes?
6. How is user and kernel modes different? What is the need to have these two different modes?
7. Summarize various memory types based on size, speed, and cost.
8. System calls are function calls similar to library calls. Comment on the correctness of this statement.
9. Visualize using a suitable diagram IO handling in case of systems not supporting the use of interrupts.
10. How are the principles of decomposition and abstraction significant for large scale complex systems software implementation?