- 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. What do you understand by the fairness of systems software? Why it is important to have this property in implementation of systems software?
2. Differentiate between uniprogramming and multiprogramming systems with a supporting example.
3. Visualize the concept of multiprogramming against uniprogramming using suitable diagrams.
4. List key functions of an operating system kernel.
5. Why micro-kernels have been gaining significance?
6. List various ways to classify processes. Are these classifications mutually exclusive?
7. List four important functions of a memory manager.
8. Show the working of a system call using a suitable diagram.
9. IO waiting cannot be handled in computer systems. State True/False using suitable reasons.
10. Visualize using a suitable diagram IO handling in case of systems using interrupts to manage IO operations.