Name

1. Name least four operating systems and say a little about them.

2. What is an operating system?

3. What are some major functional areas of operating systems?

4. What is the purpose of profiling programs? How is this related to optimising programs?

5. What are some advantages to microkernel designs of an operating system?

6. What are some differences between static and dynamic libraries?

7. Give an example of a system API call.

8. Give some advantages and disadvantages to virtualization

9. Process communication is done via memory maps and message passing. Give some example scenarios where one would be a better choice than the other, and explain why.

10. Name the main features an operating systems’ user interface should have for a desktop environment. What changes for a server environment?