**WORKSHEET 6-1**

TOPIC

6

**EXAM 6 REVIEW**



**TIME TO COMPLETE: 1 HOUR**

Please show your work, that way I know you’re able to replicate it on the exam.

***MAX MARKS: 30***

1. List 5 resources that need to be managed within a computer system. [5]
2. Pick three different types of computer systems [3]
3. For each of those computer systems, list a resource requirement that it may struggle with. [3]
4. Describe two possible problems resulting from the limitations of resources in a computer system [2]
5. Explain the role of the operating system in terms of managing the processor, memory, peripherals, and user interface.
   1. Processor Management [1]
   2. Memory Management [1]
   3. Peripheral Management [1]
   4. User Interface [1]
6. Outline OS resource management techniques: scheduling, policies, multitasking, virtual memory, paging, interrupt, and polling.
   1. Scheduling [1]
   2. Policies [1]
   3. Multitasking [1]
   4. Virtual Memory [1]
   5. Paging [1]
   6. Interrupt [1]
   7. Polling [1]
7. Discuss the advantages of producing a dedicated operating system for a device in terms of its size, cost, and customization. [3]
8. Outline how an operating system hides the complexity of the hardware from users and applications. [3]