MAKERERE UNIVERSITY COLLEGE OF COMPUTING AND INFORMATION SCIENCES (COCIS)

BSSE: INDIVIDUAL ASSIGNMENT

CSC 2200: Operating Systems

Note: Submit Hard copy

Submission for Day Class: 4th May After class.

Submission for Evening Class 5th May After class.

VIRTUAL MACHINES

- 1. What is a virtual machine? [1 mark]
- 2. What are virtual machines used for? [1 mark]
- 3. Explain the Different Types of Virtual Machines [2 marks]
- 4. Briefly explain the following types of virtualization.
- a) Hardware virtualization [2 marks]
- b) Desktop Virtualization [2 marks]
- c) Network Virtualization [2 marks]
- d) Storage virtualization [2 marks]
- e) Application virtualization [2 marks]
- 5. What is the difference between full virtualization and paravirtualization? Which one do you think is harder to do? Explain your answer [6 marks]
- 6. Give 4 importances of virtualization [4 marks]
- 7. What is meant by Hypervisor? [2 marks]
- 8. Explain the types of Hypervisors. [2 marks]
- 9. What were the three main requirements considered while designing VMware? [3 marks]
- 10.Briefly Explain the installation steps in VMWare on Linux host and adding guest OS [3 marks]

FILE SYSTEM CRASH RECOVERY

1. Briefly Explain 3 approaches to file system crash recovery in LINUX. **[6 marks]**