

MANIPAL UNIVERSITY**FIRST SEMESTER ME COMPUTING TECHNOLOGIES & VIRTUALIZATION
DEGREE EXAMINATION – NOVEMBER 2015****SUBJECT: VIR 615 – VIRTUALIZATION TECHNIQUES**

Wednesday, November 25, 2015

Time: 10:00 – 13:00 Hrs.

Max. Marks: 100

1. With a neat diagram explain the Hosted Virtual Machine Implementation. (10 marks)
2. Explain JVM and MICROSOFT .NET CLI with respect to Programming language virtualization. (10 marks)
3. Explain the different desktop virtualization approaches. (10 marks)
4. Explain the pointer to be considered based on the management requirements and operational constraints of an organization for Desktop Virtualization. (10 marks)
5. Explain how to measure the economic benefits for storage virtualization. (10 marks)
6. Explain the Hitachi's storage economics model. (10 marks)
7. Explain why failover is important? (10 marks)
8. What is a Hypervisor? Give an example of Virtualization platform that implements a Hypervisor. (6+4 = 10 marks)
9. What is lazy Optimization? Why is it used in QEMU? (5+5 = 10 marks)
10. With a neat diagram explain the KVM architecture. (10 marks)

