2124
B. Voc. (Hardware and Networking)
Fifth Semester
HWN-504: VMware Workstation

Time allowed: 3 Hours   Max. Marks: 40

NOTE: *Attempt five questions in all, including Question No. 1 (Unit-I) which is compulsory and selecting one question each from Unit II -V.*

x-x-x

Unit - I

I. Attempt the following:
   a) Differentiate between Physical machine and Virtual machine.
   b) Which file formats are commonly used for Virtual disks?
   c) How does a virtual disc manager serve its purpose?
   d) Do virtual machines (VMs) have MAC addresses? Discuss.

                                                          (4 * 2 = 8)

Unit - II

II. How do you create a new virtual machine? How do you install the Guest OS on a virtual machine?
                                                          (8)

III. a. How can you set up VMware Tools within a virtual environment?   (4)
    b. What are page faults? What are the ways to troubleshoot page fault issues?   (4)

Unit - III

IV. What are the considerations when starting multiple virtual machines simultaneously? What is the difference between a cold start and a warm start?   (8)

V. Explain the concept of Teams in VMware Workstation and how they can be utilized for managing multiple virtual machines.   (8)

Unit - IV

VI. How do you create a new VHD in Windows using built-in tools? Differentiate between fixed-size and dynamically expanding VHDs.   (8)

VII. Which hardware features of a virtual machine are modifiable? What safety measures should be taken before modifying the hardware of a virtual machine?   (8)

Unit - V

VIII. What is the purpose of networking in a virtualized environment? Why is it crucial for virtual machines?   (8)

IX. Define NAT. Discuss the advantages and disadvantages of Dynamic NAT compared to Static NAT.   (8)

x-x-x