

**IV B.Tech. I Semester Regular Examinations, November -2005**  
**COMPUTER SYSTEMS MAINTENANCE**  
**(Computer Science & Systems Engineering)**

**Time: 3 hours**

**Max Marks: 80**

**Answer any FIVE Questions**  
**All Questions carry equal marks**

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1. Write down the procedure for Reassembly of a system? [16]
2. (a) Explain about quick - start bench testing.  
(b) Explain symptoms when system starts but reboots intermittently. [8+8]
3. (a) Explain the main functions of a typical mother board.  
(b) Write the various BIOS features. [8+8]
4. (a) Explain about CPU essentials  
(b) Explain about modems and CPU concepts. [8+8]
5. Explain floppy drive installation and Replacement? [16]
6. (a) Explain Hard drive construction.  
(b) Explain drive preparation concepts. [8+8]
7. (a) Explain about memory speed and wait states.  
(b) Explain about memory refresh. [8+8]
8. (a) Write the procedure for cleaning a pointing device.  
(b) Explain about Mouse interfacing. [8+8]

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1. (a) What are the types of enclosures, explain?  
(b) Explain about enclosure issues? [8+8]
2. Define a antivirus and write down procedure to remove virus from your hard drive.  
[16]
3. (a) Describe about CD-R drive.  
(b) Explain about CD-RW drive. [8+8]
4. Explain in detail about the different causes that lead to data loss. [16]
5. (a) Explain about RAID primer.  
(b) Explain in symptoms of trouble shooting in Drive adaptor. [8+8]
6. Explain IDE drive standards and features. [16]
7. What are the different memory considerations? Explain in detail. [16]
8. (a) Write the procedure for cleaning a pointing device.  
(b) Explain about Mouse interfacing. [8+8]

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1. (a) Write down tips for working inside a Desktop or Tower PC  
(b) Explain about enclosures of Monitor? [8+8]
2. (a) Explain about a standard PC hierarchy.  
(b) Explain popular O.S. features. [8+8]
3. (a) Explain BIOS short comings and compatibility issues.  
(b) Explain any eight general symptoms of BIOS Trouble shooting. [8+8]
4. Write short notes on:  
(a) Processor modes  
(b) Multiprocessing support of PC [8+8]
5. Explain how do you recover FAT and directory damage. [16]
6. Explain IDE drive standards and features. [16]
7. (a) Explain in detail about memory modules.  
(b) Explain about conventional memory. [8+8]
8. (a) Explain about different circuits used in a color monitor.  
(b) Explain trouble shooting of a CRT. [8+8]

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1. (a) Write down the produce for disassembly of system?  
(b) Explain in detail about the standardized form factors. [8+8]
2. (a) Explain about a standard PC hierarchy.  
(b) Explain popular O.S. features. [8+8]
3. (a) Explain BIOS short comings and compatibility issues.  
(b) Explain any eight general symptoms of BIOS Trouble shooting. [8+8]
4. Explain in detail about Trouble shooting of CPU problems. [16]
5. Explain floppy drive installation and Replacement? [16]
6. Explain IDE drive standards and features. [16]
7. (a) Explain in detail about memory modules.  
(b) Explain about conventional memory. [8+8]
8. (a) Write the procedure for cleaning a pointing device.  
(b) Explain about Mouse interfacing. [8+8]

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