



Attempt the following problems:

1. Show how to troubleshoot the computer and detect the errors if any (use chart for illustration).
(10 marks)
2. Explain in details the relationship between the POST, BIOS and CMOS setup.
(10 marks)
3. What is a port, gives two types of it and list the advantages and limitations of each type.
(10 marks)
4. Describe and Write a C# program for using the serial port as a null model (communication).
(10 marks)
5. Write a C# program for a serial port to switch on or off a DC motor.
(10 marks)
6. Write a C# program for a serial port to control the speed of a DC motor.
(10 marks)
7. Write a kernel code that enables the user to print out any text on the screen (monitor driver).
(10 marks)
8. Using WMI and WQL languages to extract computer system information like Operating System, Computer System, Win32_processor, Win32_bios, Time zone.
(20 marks)

GOOD LUCK

Prof. Dr: Aly El desokey