UNIVERSITY OF DAR-ES-SALAAM
DEPARTMENT OF COMPUTER SCIENCE

IS 258: PC Maintenance

Test Two

TIME: 1 hr

DATE: 16ᵗʰ March, 2009

Score: 25 marks

Question One

a) What do you understand by the term "Preventive maintenance" How does it differ from corrective maintenance? **(3 Marks)**

b) Briefly explain three reasons why Computer preventive maintenance is an important day to day operation of computers? **(3 Marks)**

c) Mention any six (6) activities that a technician in any organization need to do regularly as part of preventive maintenance. **(3 Marks)**

d) Your computer, like your car, needs proper maintenance to perform at its best. Knowing your way around your PC and conducting routine repairs will keep it in good working order. Explain four (4) tips for good computer maintenance **(4 marks)**

Question Two

a) Briefly explain the differences between Static RAM (SRAM) and Dynamic RAM (DRAM) **(2 marks)**

b) Mention three factors which determine the speed of a memory **(1.5 marks)**

c) Rey has a Pentium motherboard with two 72-pin SIMM slots and two 168-pin DIMM slots. How many DIMMs does it take to fill a single bank of RAM on this motherboard? **(1 mark)**

d) Sylvia has noticed that the clock on her PC is running slower than it should. After watching it for several days, she notices that the clock is several hours behind the correct time. What could be the problem? **(1 mark)**

e) Mention any three (3) external power problems that affect computer's internal power supply if your computer is plugged direct to the wall. **(1.5 Marks)**

Question Three

a) What do you understand by the term "System Resource"? Briefly explain four types of system resources used for communication within a computer **(3 marks)**

b) Discuss two Operating System tools which can be used to examine the system **(2 marks)**

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