

Shant

UNIVERSITY OF DAR-ES-SALAAM  
COLLEGE OF INFORMATION AND COMMUNICATION TECHNOLOGIES

COMPUTER SCIENCE AND ENGINEERING DEPARTMENT  
2<sup>nd</sup> SEMESTER EXAMINATIONS 2010/2011

IS 258: PC MAINTENANCE

DATE: 22<sup>nd</sup> July 2011

Duration: 2 hrs

Instructions:

1. This examination is divided into two sections, A and B.
2. Answer all questions in section A and any three questions from section B.
3. Section A carries 24 marks and section B carries 36 marks making up a total of 60.
4. This examination consists of 2 printed pages.

SECTION A

1. (a) What are system resources? (2 marks)  
(b) Which IRQ numbers assigned for the following: i. System timer ii. COM1, <sup>12</sup> iii. LPT1 iv. Keyboard. <sup>12</sup> (2 marks)  
(c) In Windows, what is the name of utility that allows a user to determine the resource in use? (2 marks)
2. (a) What motherboard form factor is the most popular? (2 marks)  
(b) Which type of connectors are used for the following: i. Serial port ii. Parallel port iii. PS2 port iv. SCSI port? (2 marks)  
(c) List four types of video port and connectors which exists. (2 marks)  
*VGA, DVI, HDMI, S-video*
3. (a) Define the term Memory. (2 marks)  
(b) Why is the volatile memory is used in most Personal Computers and not nonvolatile memory? (2 marks)  
(c) What type of DIMM do you find most in Laptops? <sup>12</sup> (2 marks)
4. (a) What is preventive maintenance? (2 marks)  
(b) Describe any two reasons of using the Uninterruptible power supply (UPS) and any two reasons Standby power supply (SPS). (4 marks)