UNIVERSITY OF DAR ES SALAAM-COLLEGE OF INFORMATION AND COMMUNICATION TECHNOLOGIES. 15 258: PC MAINTANANCE (3 UNITS) TIME: 1400-1455 DATE: 23RD APRIL, 2015 nstructions Attempt all questions All marks add up to 100% m. Be precise and to the point Ensure your work is readable IV. a) Explain the following terms as applied to computers (10 marks) Architecture 12 Specification 11. Coprocessor Hi. Shadow ROM IV. Throttling. b) What is the purpose of the following items that are located on mother board? (9 marks) 13 System bus TE: Expansion stots Chipset Differentiate the following terms (16 marks) VGA from HDAU L. Von Neumann architecture from AMD architecture/diogrammatic explanation will add up marks) Pirels a) What is the function of the following interface cards; RAID adapter, wireless NIC and SCI adapter (6 marks). b) Explain in detail the three technologies commonly used in display subsystem. Describe five factors that determine monitor resolution determine monitor resolution. (14 marks) With examples explain three technologies for storage devices. (9 marks) - oter de (4 marks) pon d) Give the most correct answer out of alternatives given Which of the following interface types is not commonly used to connect a mouse to PCP Hongarial marke A. USB B. PS/7 C. ITUA Verten color D. Parallel.

Externally speaker systems commonly connect to a PC through a single jackthat conforms to what D. Parallel. PC standard? A. PCMCIA B. PC99 C. IEE 1394 D. There is no standard for audio connections on a PC. What expansion bus has become the defacto standard for modern PC systems? A. ISA B. EISA C C. PCI To add external wireless network interface card to a notebook PC, what card standard is commonly used? A. PGI B. PC card C. USE D. FireWire

a) Explain the function of the following tools and give at least three examples for each (16 marks) tomputed a. Explain the function of the following tools — Chernal when maintaining or repairing computed and Cable files tion three Hand tools m Diagnostics tools Disk management tools b) Differentiate EIOS from CMOS. Explain the three forms of BIOS. (8 marks) c) Give reasons that will force you to change BICS settings.

(8 marks)