

Uva Wellassa University of Sri Lanka
Faculty of Science and Technology
Department of Computer Science and Technology
100 level 2nd Semester Examination Dec./Jan. 2016/17
IIT181-2 Computer Hardware Technology



Instructions to candidates:

Duration: Two (02) hours

Number of questions: Four (04)

Answer all questions

Mark allocation: 100

1.
 - a. List three (03) examples for special purpose computers. (06 mark)
 - b. Name five (05) areas where supercomputers are used. (05 mark)
 - c. Name three (03) types of computer monitors that are currently available in the market. (06 mark)
 - d. List four (04) control keys that can be found in a computer keyboard. (04 mark)
 - e. Explain what are Ergonomic Keyboards. (04 mark)

2.
 - a. Name five (05) service providers who provide cloud storage facility. (05 mark)
 - b. What are the two (02) types of booting? What is the major difference between these two (02) methods? (05 mark)
 - c. Explain the difference between Land Grid Array and Pin Grid Array. (06 mark)
 - d. Briefly explain what is an Accelerated Graphics Port. (04 mark)
 - e. Name five (05) warning signs of hard drive failure. (05 mark)

3.
 - a. What is a Personal Area Network (PAN)? (04 mark)
 - b. Write short notes describing the following topics.
 - i. File Allocation Table (FAT)
 - ii. Resistor
 - iii. ROM (15 mark)
 - c. What is noise in signals? Mention two (02) reasons that cause noise in audio & video signals. (06 mark)



4.

- a. Briefly explain the two (02) types of electrical currents. (05mark)
- b. Explain the necessity of setting a BIOS password. (05 mark)
- c. What is Electrostatic Discharge (ESD)? (05 mark)
- d. Name five (05) ways to protect your computer against ESD. (05 mark)
- e. Mention two (02) methods that could be used to reset the CMOS. (05mark)