Comilla University

Department of Computer Science and Engineering 1st Year 1st Semester Final Examination-2015

Session: 2014 - 2015

Course Name (Course Code): Introduction to Computer System (CSE 110)

Full Marks: 30 Time Allowed: 2 Hours

Answer any four (4) from the following questions. Figures to the right indicate full marks.

1.	a. b.		2 2.5
	c.	proper diagram. List out and explain the types of microcomputer.	3
Z.	а.	Subtract (76) ₁₀ from (126) ₁₀ and convert the result into equivalent octal value.	2
	b.		3
	c.		2.5
7.	a. b.	What is computer network? Describe different types of network topologies. Name different types of computer networks and briefly explain their characteristics.	3
	c.	What is e-mail? What are the advantages of e-mail over paper mail?	1.5
¥.	a. b. c.	Discuss the basic laws and rules of Boolean algebra. State and prove the two basic De Morgan's theorems. What is half-Adder (HA) and Full-Adder (FA)? Express the design of HA and FA.	2 3 2.5
بخر	a. b.	Describe positive and negative representation of numbers in computer. Express the decimal number -37 as an 8 bit binary number in the 2's complement system.	5 2.5
6.	a. b.	What is software? Describe the different types of software with example. What is operating system? List out and explain the main functions of an operating system.	3
	c.	Differentiate between RAM and ROM.	1.5

Sabbir Ahmed cse_7th_batch