

International Islamic University Chittagong

Department of English Language and Literature

Program: B.A.(Hon's) in ELL

Semester: 3rd

Final Examination, Autumn-2018

Course Code: ELL-2316

Course Title: Basic Computer Skills.

Time: 2 hours 30 mins.

Total Marks: 50

N. B: Answer any 5(Five) questions.

Figures in the right margin indicate full marks.

Parts of the same question must be answered following the serial.

Q.1.	a.	Draw the memory hierarchy diagram.	2
	b.	Differentiate between RAM and ROM	3
	c.	Write down two limitations of Magnetic Tapes.	1
	d.	Assume that a disk pack has 10 disk plates. Each surface having 2655 tracks and there are 125 sectors per track. If each sector can store 512 bytes of data, calculate the storage capacity of this disk pack.	4
Q.2.	a.	What is an operating system of a computer and what facilities are provided by an operating system to a user?	3
	b.	Write short notes on the following: i) Real time operating System ii) Multiprocessing operating System	4
	c.	Define (i) Throughput, (ii) Turnaround time, & (iii) Response Time	3
Q.3	a.	Discuss the software development steps.	3
	b.	Make a comparison between Compiler and Interpreter.	3
	c.	Draw a flowchart to find area of a circle. [Formula: $\text{area} = 3.1416 \times r^2$]	4
Q.4	a.	What is topology? Describe Star and Mesh Topology.	5
	b.	Write short notes on the following: i. LAN ii. MAN iii. WAN	5
Q.5	a.	What do you know about uniprogramming and multiprogramming?	3
	b.	Differentiate between primary storage and secondary storage.	3
	c.	Illustrate OSI reference model.	4
Q.6	a.	Write short notes on the following: i. Bridge ii. Router iii. Gateway	3
	b.	What are the pros and cons of pseudocode?	3
	c.	If a 3200 feet magnetic tape has a data recording density of 800 bytes per inch (bpi), what is the storage capacity of this tape?	4