

International Islamic University Chittagong

Faculty of Shari'ah & Islamic Studies

Program: B. A (Hon's)

Final Examination, Autumn 2022

Course Code: CSE 2301

Course Title: Introduction to computer

Total marks: 50

Time: 2.30 hours

[Answer any five questions]

Figures in the right hand margin indicate full marks.

	Marks
1.	
a) What is the difference between Ram, Rom and Cache memory? Why is cache memory used?	4
b) What is Truth Table in Boolean algebra? Write down an output of expression $A+B.C$ of three inputs (A, B, C) via truth table.	6
2.	
(a) What is meant by input and output devices of a computer? Explain the concept of input and output devices with example.	5
(b) What is operating system? Name some operating systems. Explain the main functionality of operating system.	5
3.	
(a) What is interpreter? Why is it used? What is Boolean algebra? Write down the truth table of AND operation.	6
(b) What are the types of popular printer used now days? Write down the types of software used in computer system.	4
	or
4.	
(a) What is database management system? In a DBMS, we use primary key. Why is primary key used in DBMS? Explain with example.	5
(b) "CREATE TABLE " is an example of DML . Is the statement true or false? Justify your answer with example.	5
5.	
(a) If there are 3 PCS in a building and you want to connect the 3 PCS to another 4 PCS in another building, which networking is feasible: LAN, MAN or WAN? Why? Explain reason for your answer.	5
(b) Write down the differences between software and hardware. Write six examples of application software.	5
6.	
There is a popular site named CHALDAL.COM which sells products to the people while the people order their products. This company takes delivery charge. What type of E-commerce is CHALDAL.COM using? What are the advantages and disadvantages of using E-commerce site?	10
	or
7.	
(a) Is there any difference between the concept of Internet, intranet and extranet? Explain the concepts in tabular form.	5
(b) In a computer, when you start up a computer, which one is used for loading program: RAM or ROM? Which one is volatile and which one is non-volatile? Explain the concept briefly.	5

Note:

Bloom's taxonomy is divided into three distinct learning objectives, or domains of educational activities: **cognitive**, **affective**, and **psychomotor**. These are also referred to by the acronym KSA, for Knowledge (cognitive), Skills (psychomotor), and Attitudes (affective). The goal is that by the end of a learning session, the student will have acquired new knowledge, skills and attitudes towards a subject.

There are six levels in cognitive domain (here C means *cognitive*)

C1 = Remember (R)

C2 = Understand (U)

C3 = Apply (A)

C4 = Analysis (N)

C5 = Evaluate (E)

C6 = Create (C)

For each question, specify which CO it covers in CO column. In DL column, specify the domain and level. You may write C1 (Cognitive domain, level 1) or R (Remember) etc. In written exams, questions are almost always in cognitive domain.

CO = Course Outcome

DL = Domain and Level of Bloom's taxonomy