

CSE 101: Introduction to Computer Studies (Sec-6)

Department of Computer Science and Engineering

University of Liberal Arts Bangladesh

Course Title: Introduction to Computer Studies

Course Code: CSE 101

Total Marks: 20

Time: 45 minutes

Name: _____ **ID:** _____

1. Find the sizes equivalent in Gigabytes for the following file sizes. 4

- a) 18,914,721 bytes
- b) 12,132,961 bytes
- c) 22,529,504 bytes
- d) 5,076,764 bytes

2. Convert $(23.6875)_{10}$ to binary and then convert the binary to decimal. 8

3. Perform the following binary operations:

8

a) $(1101)_2 + (1010)_2$

b) $(1100)_2 - (1011)_2$

c) $(110)_2 \times (100)_2$

d) $(110111)_2 \div (101)_2$