

International Islamic University Chittagong

Department of Arabic Language and Literature(ALL)

Mid-Term Examination-Spring-2023

Course Code: CSE-1101

Course Title: Basic Computer Skills

Time: 1 hour and 30 minutes

Total Marks: 30

N. B: Answer any 3 (three) questions. All Questions are of equal marks.

| | Marks | CLOs | BTD |
|--|-------|------|-----|
| Q1. | | | |
| a) What is computer? Describe the basic organization of computer. | 1+2 | 1 | U |
| b) Explain the main characteristics of 3 rd and 5 th generation computer. | 4 | 1 | U |
| c) Briefly describe the functional units of computer. | 3 | 1 | U |
| Q2. | | | |
| a) Write the definition, characteristics, truth table and figure of the following logic gates | 5 | 2 | A |
| i) NAND Gate | | | |
| ii) XOR Gate | | | |
| b) Define network topology? Differentiate between Star Topology and Buss Topology | 1+4 | 1 | U |
| Q3. | | | |
| a) Convert the following number system. | 6 | 2 | A |
| i) Binary to Hexadecimal-(1110101101101) ₂ | | | |
| ii) Hexadecimal to Octal-(B2E) ₁₆ | | | |
| iii) Decimal to Binary-(243) ₁₀ | | | |
| b) Define primary memory and secondary memory. Differentiate between RAM and ROM. | 4 | 2 | A |
| Q4. | | | |
| a) What do you mean by algorithm? Write the algorithm for adding two numbers entered by the users. | 1+3 | 1 | U |
| b) Differentiate between compiler and interpreter | 3 | 1 | U |
| c) What is flow chart? Draw a flow chart for printing a given number is even or odd. | 3 | 1 | U |
| Q5. | | | |
| a) What is Hard Disk? Briefly describe the benefits and drawback of Hard Disk. | 1+3 | 2 | U |
| b) Differentiate between LAN, MAN and WAN. | 3 | 1 | U |
| c) Write the difference between input and output devices. | 3 | 2 | U |