

International Islamic University Chittagong
Department of Hadith and Islamic Studies
Mid Term Examination-Autumn 2022
Course Code: CSE-2301
Course Title: Introduction to computer

Time: 1 hour and 30 minutes

Total Marks:30

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

- Q1. 1+2
- a) What is computer? Describe the basic organization of computer. 3
 - b) Briefly Describe the functional units of computer. 4
 - c) Write the main characteristics of third and fourth generation of computer.
- Q2. 1+2
- a) What is number system? Describe the different types of number system. 1
 - b) What is the base in number system? 6
 - c) Convert the number system.
 - i) Binary to Hexadecimal-(1110101101101)₂
 - ii) Hexadecimal to Octal-(B2E)₁₆
 - iii) Decimal to Binary-(243)₁₀
- Q3. 1+1
- a) What is Logic Gate? What is the uses of logic gate? 4
 - b) Write the definition, characteristics, truth table and figure of the following logic Gate.
 - i) AND gate
 - ii) OR Gate
 - iii) NOT Gate
 - c) Write the definition, characteristics, truth table and figure of the following logic Gate. 4
 - i) NAND Gate
 - ii) XOR Gate
- Q4. 4
- a) Explain the different types of codes in computer system 3
 - b) What is ASCII? Describe the advantages and disadvantages of ASCII code 3
 - c) Differentiate between ASCII and EBCDIC code