**TABLE OF SPECIFICATIONS FOR EXAM QUESTIONS**

**University of Liberal Arts Bangladesh**

**Department: Computer Science and Engineering (CSE)**

**Midterm Examinations, Semester: Fall 2019**

**Program: B.Sc. in CSE**

**Course Code: CSE101 Course Title: Introduction to Computer Studies Credit Hr: 3**

**Time: 1 Hours Total Marks: 20**

**Name & Designation of the Examiner: Nafees Mansoor, PhD Assistant Professor**

**Learning Outcomes (LO):**

|  |
| --- |
| 1. **Describe** the concept and components of computing system along with its benefits. |
| 1. **Explain** features and benefits of various technological advancements |
| 1. **Define** a wide range of practical problems as a computational problem |
| 1. **Understand** a real-life problem and **be able** to design and develop systems using pseudocodes and flowcharts. |
| 1. **Introduce** the fundamental concepts of computer programming |

***Levels in Bloom’s Cognitive Domain:***

***C1: Remember C2: Understand C3: Apply C4: Analyze C5: Evaluate C6: Create***

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Question No.** | **Learning Outcomes (CO)** | **Level in Bloom’s Cognitive Domain along with Allocation of Marks** | | | | | |
|  |  | **C1** | **C2** | **C3** | **C4** | **C5** | **C6** |
| 1 | 3 |  | 5 |  |  |  |  |
| 2 | 4 |  |  | 5 |  |  |  |
| 3 | 1 | 5 |  |  |  |  |  |
| 4 | 4 |  |  |  | 5 |  |  |
| **Total Allocation of Marks** | **20** | 5 | 5 | 5 | 5 |  |  |
|  |  |  |  |  |  |  |  |
| **Question No.** |  | **Learning Outcome** | | | | | |
|  |  | **CO1** | **CO2** | **CO3** | **CO4** | **CO5** |  |
| 1 |  |  |  | 5 |  |  |  |
| 2 |  |  | 6 |  |  |  |  |
| 3 |  |  |  |  | 3 |  |  |
| 4 |  |  |  |  | 6 |  |  |
| **Total Allocation of Marks** | **20** |  | 6 | 5 | 9 |  |  |

**Signature of the Examiner Date:**

**Department of Computer Science and Engineering**

**University of Liberal Arts Bangladesh**

**Mid-Term Examination (Fall 2019)**

**Course: Introduction to Computer Studies (CSE 101)**

**Section: 11 --- Duration: 1 Hour**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**PLEASE ANSWER ALL QUESTIONS. Total 20 Marks**

**QUESTION 1**

Convert the following hexadecimal value to its decimal equivalent. Show all the calculations while performing the conversion (ABCD)16 = (??)10  **(5 Marks)**

**QUESTION 2**

Write the pseudo code which will display the largest among three different numbers entered by the user. **(5 Marks)**

**QUESTION 3**

Define System Software. User interfaces of the operating systems are categorized into how many groups? Name them. **(5 Marks)**

**QUESTION 4**

Trace the following flowchart for N = 11

**TRUE**

Start

Input N

**A = 0**

**B = 1**

If A<=N

Output A

**C = A**

**A = B**

**B = B + C**

End

**False**

**(5 Marks)**

**\*\*END OF QUESTIONS\*\***