**TABLE OF SPECIFICATIONS FOR EXAM QUESTIONS**

**University of Liberal Arts Bangladesh**

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

**Mid-Term Examinations, Semester: Fall 2019**

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

**Course Code: CSE104 Course Title: Structured Programming LAB Credit Hr: 3**

**Time: 1Hour Total Marks: 20**

**Name & Designation of the Examiner: Satyaki Das | Lecturer**

**Learning Outcomes (CO):**

|  |
| --- |
| 1. Basicknowledge of structured programming terminologies to **develop** problem-solving skills, **produce** quality code and ability to **handle** possible errors during program execution |

***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 | 1 |  |  | 5 |  |  |  |
| 2 | 1 |  |  | 5 |  |  |  |
| 3 | 1 |  |  | 5 |  |  |  |
| 4 | 1 |  |  | 5 |  |  |  |
| **Total Allocation of Marks** | **20** |  |  | 20 |  |  |  |
|  |  |  |  |  |  |  |  |
| **Question No.** |  | **Learning Outcome** | | | | | |
|  |  | **CO1** |  |  |  |  |  |
| 1 |  | 5 |  |  |  |  |  |
| 2 |  | 5 |  |  |  |  |  |
| 3 |  | 5 |  |  |  |  |  |
| 4 |  | 5 |  |  |  |  |  |
| **Total Allocation of Marks** | **20** | 5 |  |  |  |  |  |

**Signature of the Examiner Date:**

**Department of Computer Science and Engineering**

**University of Liberal Arts Bangladesh**

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

**Course: Algorithm (CSE 305)**

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

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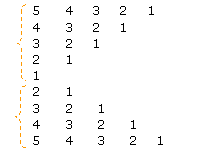
**PLEASE ANSWER ALL QUESTIONS. Total 20 Marks**

**QUESTION 1**

Write a program that takes an integer as input *n* and prints the given pattern based on the given as input. **(5 Marks)**

**Sample Input:** 5

**Expected Output:**



**QUESTION 2**

Write a C program where the user provides *n* integers and the largest of them is displayed. [The minimum value of an integer is -2147483648] **(5 Marks)**

**Sample Input:**

5

10 40 8 50 45

**Expected Output:**

The largest number is 50.

**QUESTION 3**

Write a C program to find the eligibility of admission for a professional course based on the following criteria:

Marks in Mathematics >=65

Marks in Physics >=55

Marks in Chemistry>=50

Total in all three subject >=180

or

Total in Mathematics and Physics >=140 **(5 Marks)**

**Sample Input:**

Input the marks obtained in Physics: 65

Input the marks obtained in Chemistry: 51

Input the marks obtained in Mathematics: 72

**Expected Output:**

The candidate is eligible for admission.

**QUESTION 4**

Write a program in C to read any Month Number in integer and display the number of days for this month along with the month name. **(5 Marks)**

**Sample Input:** 7

**Expected Output:**

July has 31 days.

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