Practical Examination LBEP

Duration: 60 minutes | Total Marks: 100

Writing a program in C Language to perform the following task:

Question 1: [10 marks]

1. Show a menu as the **figure 01**: (4 marks)

```
*****************************************
  C PROGRAM LANGUAGE
     1. Question 02.
     2. Question 03.
     3. Exit.
*****************************************
  Enter Choice (1 - 3):
```

Figure 01

2. When user enter option 1, 2, 3 the program performs the particular task. (6 marks)
3. If user enter the number that is outside the range (1 - 3), an error message is raised.
4. User can choose Yes/No to come back to step 2.

Question 2: [30 marks]

Writing a program to display an Armstrong number. See **figure 2**.

Ex1:

```
Enter an integer: 1634
1634 is an Armstrong number.
```

Ex2:

```
Enter an integer: 151
151 is not an Armstrong number.
```

Figure 02

Question 3: [60 marks]

Writing a program to manage student in list. See **figure 03**.

1. Ask user how many students would like to manage (Valid range in 1 - 10) (5 marks)
2. Accept the value from the user (15 marks)
3. Ask user enter Rollno to search. (40 marks)
   - If student is found, display student information.
   - Otherwise, raising an error: the student does not exist.

Ex:

```
How many students would you like to manage: 100
The number is invalid! Press any key to continue

How many students would you like to manage: 2

Enter student 1 name: Le Van A
Enter Rollno: student0001
Enter marks: 100

Enter student 2 name: Tran Van B
Enter Rollno: student0002
Enter marks: 90

Enter Rollno to search: student0001
Student List Information:
   Rollno        Name         Marks
------------|------------|-----------
student0001   Le Van A        100
```