University of Liberal Arts Bangladesh (ULAB)

FINAL EXAMINATION
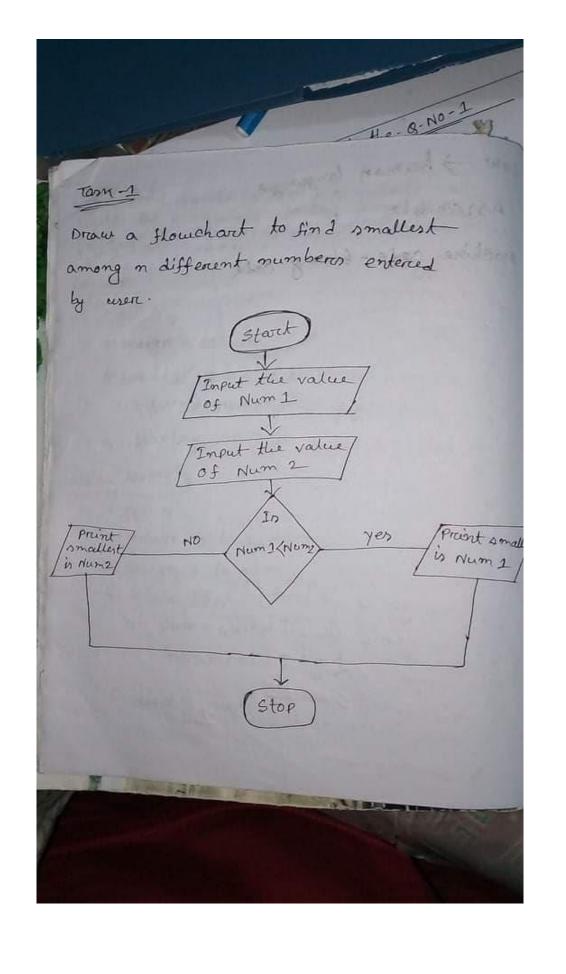## Spring 2020

Course No:	CSE 101 (Sec: 11)
Course Title:	Introduction to Computer Studies

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Date of examination:	22.04.2020

Obtained	20
Total	25

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Signature of the
Examiner

Tosn - 1

Draw a flowchart to find smallest among n different numbers entered by user.

```
        ( Start )
            │
            ▼
   /Input the value/
   /of  Num 1     /
            │
            ▼
   /Input the value/
   /of  Num 2     /
            │
            ▼
          ╱ In ╲
NO ─────◁ Num 1 < Num2 ▷───── yes
│        ╲       ╱        │
▼                        ▼
┌──────────┐        ┌──────────┐
│ Print    │        │ Print small│
│ smallest │        │ is Num 1  │
│ is Num2  │        └──────────┘
└──────────┘              │
     │                    │
     └────────┬───────────┘
              ▼
          ( Stop )
```

Answer to the question no 2(a)

The program has some error in it.

At line 6 : INt (is in capital letter)

At line 8 : "&" is used before "a" .

At line 12 : "Sum" started in capital letter .

At line 14 : There is a semicolon (;) missing at the end .

Answer to the question no : 2 (b)

working code :

```c
# include <stdio.h>
  int main ()
  {
        int a = 2;
        int b = 1;

        printf ("%d, %d", a, b);
        int i;
        for (i = 0, i < 5 ; i++)

            {
                int sum = a + b ;
                printf (", %d", sum);
                a = b;
                b = sum;

            }
        return 0;
  }
```

Answer to the question no: 2(c)

(c)

The output from the correct code
is :   1, 1, 2, 3, 5, 8, 13