

Midterm Exam

Date: 06/06/2020 (120mn)

Start at 13:00pm, Finish at 15:00pm

I. MCQs-Choose the correct answer (some answer can choose 2) (

40pt) (10pt) 1. Extension of Microsoft word file

- a. (.doc) b. (.dot) c. (.txt) d. (.docx)

(05pt) 2. Convert $(13)_8$

- a. D b. $(D)_{16}$ c. B d. $(B)_{16}$

(10pt) 3. $(10)_2 + (11)_2 = (?)_8$

- a. $(6)_8$ b. $(5)_8$ c. $(8)_8$ d. $(7)_8$

(15pt) 4. Find result

```
a=1
b=2
c=-3
#s=a+b+c
print(s)
```

- a. s is not defined b. 0 c. Error syntax d. <blank>

II. Correct the following exercises below (30pt)

(15pt) 1. Find the error of code below and correct it

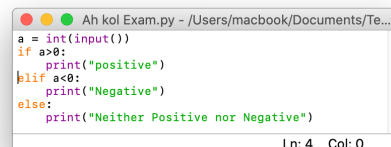
Write python program using loop to print number from -10 to 10

```
i=-10; a=0;
while i<=a:
    print(i)
    i=a+1
```

(15pt) 2. Find the error of code below and correct it

Write python program to check if the number given is positive or negative.

```
a=int(input())
if a<0:
    print(Positive)
elif a>0:
    print(Negative)
else:
    print(Neither Positive nor Negative)
```



```
>>> a=-10
>>> while a<=10:
>>>     print(a)
>>>     a+=1
>>>
-10
-9
-8
-7
-6
-5
-4
-3
-2
-1
0
1
2
3
4
5
6
7
8
9
10
>>> |
```

III. Exercise (30pt)

Write an algorithm using loop to print even number from -10 to 10 except -5 and 5.

```
Python 3.8.2 Shell
Python 3.8.2 (v3.8.2:7b3ab5921f, Feb 24 2020, 17:02:18)
[Clang 6.0 (clang-600.0.57)] on darwin
Type "help", "copyright", "credits" or "license()" for more information.
>>> for s in range(-10, 10+1, 2):
>>>     print("Even Number: ", s)
>>>
Even Number: -10
Even Number: -8
Even Number: -6
Even Number: -4
Even Number: -2
Even Number: 0
Even Number: 2
Even Number: 4
Even Number: 6
Even Number: 8
Even Number: 10
>>> |
```