



COLLEGE OF COMPUTERS & INFORMATION TECHNOLOGY
FINAL EXAMINATION



Academic year: 2017-2018

Subject : Programming 1 Semester: 1

Day and Date: Saturday 10/02/2018

Level: 1

Examiner: Dr.Mohammed Bamatraf

Department: IT/CS

Duration: 2:00 hrs

A

Q1. Choose the correct answer اختر إجابة واحدة صحيحة فقط (15 marks)

1. in-valid python expression ?
A. x+2=3 B. if l in range (1,4,1): C. x += 2+2.5 D. PRINT ("Hello")
 2. Evaluate (not(0 and (2 or 3))).
A. True B. False C. Un-evaluatable غير قابل للتقييم
 3. Which of the following is in-valid comparison operator?
A. != B. == C. = D. >=
 4. Lowest Priority operator:
A. % B. and C. + D. >=
 5. evaluate the expression (4// (2 + 5)% 20) :
a. 0 b. 11 c. 7 d. Error
 6. evaluate the expression ((4 & 2) << 1):
a. 4 b. 0 c. 0100 d. 0010
 7. which of the following is python keyword:
a. FOR b. Else c. pycharm d. False
 8. for x in range(7,5,-1):
 print("Hello",end="") will give output as:
a. HelloHello b. HelloHelloHello c. 7 and 6 d. no output
 9. which of the following loops is infinite loop :
 a. while(22): b. if (2<3): c. for IF in range (2,3,4): d. infinite=4*2
 10. which of the following is a programming language:
a. microsoft b. google c. C# d. Battlefield 1.2
- Q2. With the help proper example, briefly explain the following terms اشرح مع الاستعانة بمثال (10 marks)**
- a. Flow chart
 - b. Algorithm
 - c. Interpreter
 - d. Arrays

Q3. Detect 4 Errors in the following code, state why! , اخطأ بالكود أدناه مع توضيح السبب (10 marks)

```
arr = (2, 3, 4, "ALI", 22, 13)
28 = a
for x in range(0, 10, 1):
    if (arr(x) % 2 == 0):
        print("ODD")
    else:
        print(EVEN)
    else:
        print ("Zero")
a="15"
b="5"
print (a//b)
```



COLLEGE OF COMPUTERS & INFORMATION TECHNOLOGY
FINAL EXAMINATION



Academic year: 2017-2018

Subject : Programming 1 Semester: 1

Day and Date: Saturday 10/02/2018

Level: 1

Examiner: Dr.Mohammed Bamatraf

Department: IT/CS

Duration: 2:00 hrs

A

Q3. Trace the following codes, and show the output تتبع الخطوات ووضح ماهي المخرجات للأكواد التالية (10 marks)

A.
x=6
while (x != 20):
 print (x,end=" ")
 x=x+5

B.
x=19
if (x//10==1):
 print (x)
else:
 print (x%10)
print ("Good Bye")

Q4. Answer any five of the following : (25 marks)

- Draw the flow-chart and write the program to read 3 numbers and print the maximum.
- Write a program to read two number and print them sorted in ascending order, اقرأ عددين وأظهرهم مرتبين تصاعديا
- Using while loop, write a python program to read 10 numbers and print them in reverse باستخدام عبارة while اقرأ ١٠ أعداد وأظهرهم متسلسلة عكس الادخال
- Write a program to print odd numbers between 90 and 70 in descending order تنازليا من الأكبر إلى الأصغر
- Write a program to check if a given number is prime or not.
- Write a program to define array of 5 names, then:
 - print the list individual name per line , اطبع الأسماء كل اسم بسطر على حده
 - Print the size of the array,
 - add one more name to the array. اضف اسم إلى المصفوفة
- write a program to print factorials of numbers between any given range. مضروب الأعداد ضمن مدى معطى

Good Luck....