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XII (CS) - PRACTICE TEST (PYTHON REVISION)

Each Question carry 2 mark.	
1	Evaluate the following expressions: a) 12*(3%4)//2+6 b) not 12 > 6 and 7 < 17 or not 12 < 4
2	What possible output(s) are expected to be displayed on screen at the time of execution of the program from the following code? Also specify the minimum values that can be assigned to each of the variables BEGIN and LAST. import random VALUES = [10, 20, 30, 40, 50, 60, 70, 80] BEGIN = random.randint (1, 3) LAST = random.randint(2, 4) for I in range (BEGIN, LAST+1): print (VALUES[I], end = "-") (i) 30-40-50- (ii) 10-20-30-40- (iii) 30-40-50-60- (iv) 30-40-50-60-70-
3	If given A=2,B=1,C=3, What will be the output of following expressions: (i) print((A>B) and (B>C) or(C>A)) (ii) print(A**B**C)
4	What possible outputs(s) are expected to be displayed on screen at the time of execution of the program from the following code? Also specify the maximum values that can be assigned to each of the variables FROM and TO. import random AR=[20,30,40,50,60,70] FROM=random.randint(1,3) TO=random.randint(2,4) for K in range(FROM,TO): print (AR[K],end="#") (i)10#40#70# (ii)30#40#50# (iii)50#60#70# (iv)40#50#70#

5	What will be the output of following program:
	s="welcome2kv"
	n = len(s)
	m=""
	for i in range(0, n):
	  if (s[i] >= 'a' and s[i] <= 'm'):
	  m = m +s[i].upper()
	  elif (s[i] >= 'n' and s[i] <= 'z'):
	  m = m +s[i-1]
	  elif (s[i].isupper()):
	  m = m + s[i].lower()
	  else:
	  m = m +'#'
	print(m)

6	Evaluate the following expressions: (i) not(20>6) or (19>7)and(20==20) (ii) 17%20

7	Rewrite the following code in python after removing all syntax error(s). Underline each correction done in the code.
	30=To
	for K in range(0,To)
	  IF k%4==0:
	  print (K*4)
	  Else:

	print (K+3)
8	Consider the following code: import math import random print(str(int(math.pow(random.randint(2,4),2))),end= ' ') print(str(int(math.pow(random.randint(2,4),2))),end= ' ') print(str(int(math.pow(random.randint(2,4),2)))) What could be the possible outputs out of the given four choices? i) 2 3 4 ii) 9 4 4 iii)16 16 16 iv)2 4 9
9	What do you understand by the term type conversion? Explain with suitable example
10	Evaluate the following expressions: a) 2 ** 3 ** 2 b) 7 // 5 + 8 * 2 / 4 – 3
11	Consider the following code and find out the possible output(s) from the options given below. Also write the least and highest value that can be generated. import random as r print(10 + r.randint(10,15) , end = ‘ ‘) print(10 + r.randint(10,15) , end = ‘ ‘) print(10 + r.randint(10,15) , end = ‘ ‘) print(10 + r.randint(10,15)) i) 25 25 25 21 iii) 23 22 25 20 ii) 23 27 22 20 iv) 21 25 20 24
12	Write the output of the following python statements: (a) print(2 + 3*4//2 - 4) (b) print(10%3 – 10//3)

13	What possible outputs(s) are expected to be displayed on screen at the time of execution of the program from the following code? Also specify the maximum values that can be assigned to each of the variables BEG and END.
	
	`import random`
	
	`HEIGHTS=[10,20,30,40,50]`
	`BEG=random.randint(0,2)`
	`END=random.randint(2,4)`
	
	`for X in range(BEG,END):`
	`  print(HEIGHTS[X],end="@")`
	(a) 30@
	(b) 10@20@30@40@50@
	(c) 20@30
	(d) 40@30@

14	Evaluate the following expressions: a) 8 * 3 + 2**3 // 9 – 4 b) 12 > 15 and 8 > 12 or not 19 > 4
15	Rewrite the following code in Python after removing all syntax error(s). Underline each correction done in the code. p=30 for c in range(0,p) If c%4==0: print (c*4)

	Elseif c%5==0: print (c+3) else print(c+10)
16	What possible outputs(s) are expected to be displayed on screen at the time of execution of the program from the following code? Also specify the maximum values that can be assigned to each of the variables Lower and Upper. import random AR=[20,30,40,50,60,70]; 2 Page 4 of 6 Lower =random.randint(1,4) Upper =random.randint(2,5) for K in range(Lower, Upper +1): print (AR[K],end="#") (i) 10#40#70# (ii) 30#40#50# (iii) 50#60#70# (iv) 40#50#70#

17	Rewrite the following code after removing syntax error and underline the correction:
	x=int("Enter value for x:")
	for y in range[0,11]:
	if x=y
	print(x+y)
	else:
	Print x-y

18	What possible output(s) are expected to be displayed on screen at the time of execution of the program from the following code? Import random Ar=[20,30,40,50,60,70] From =random.randint(1,3) To=random.randint(2,4) for k in range(From,To+1): print(ar[k],end="#") (i) 10#40#70# (iii) 50#60#70# (ii) 30#40#50# (iv) 40#50#70#
19	Write a program that reads a string and check whether it is a palindrome string or not.
20	Evaluate the following expression. 2 a) 51+4-3**3//19-3 b) 17<19 or 30>18 and not 19==0
21	What possible outputs(s) are expected to be displayed on screen at the time of execution of the program from the following code. Select which option/s is/are correct import random print(random.randint(15,25) , end=' ') print((100) + random.randint(15,25) , end = ' ') print((100) -random.randint(15,25) , end = ' ') print((100) *random.randint(15,25)) (i) 15 122 84 2500 (ii) 21 120 76 1500 (iii) 105 107 105 1800 (iv) 110 105 105 1900
22	Evaluate the following expressions: 2 a) 6 * 3 + 4**2 // 5 – 8

	b) 10 > 5 and 7 > 12 or not 18 > 3	
23	Rewrite the following code in Python after removing all syntax error(s). 2 Underline each correction done in the code. Value=30 for val in range(0,Value) If val%4==0: print (val*4) Elseif val%5==0: print (val+3) Else print(val+10)	
24	What possible outputs(s) are expected to be displayed on screen at the time 2 of execution of the program from the following code? Also specify the maximum values that can be assigned to each of the variables Lower and Upper. import random AR=[20,30,40,50,60,70]; Lower =random.randint(1,3) Upper =random.randint(2,4) for K in range(Lower, Upper +1): print (AR[K],end="#“) (i) 10#40#70# (ii) 30#40#50# (iii) 50#60#70# (iv) 40#50#70#	