KENDRIYA VIDYALAYA NO. 2, FCI GORAKHPUR

PRACTICE QUESTIONS

Class: XII COMPUTER SCIENCE

Q. No.	Section A
1. (a)	Which of the following can be used as valid variable identifier(s) in Python? sun@gmail, _incometax, Number#, King1
1. (b)	Which method can be used to remove any whitespace from both ends of a string? i. trim() ii. ptrim() iii. strip() iv. len()
1. (c)	Which of the following is/are not true of Python dictionaries: i. Dictionaries are mutable. ii. Dictionaries can be nested at any depth iii. All the keys in a dictionary must be of the same type. iv. Items are accessed by their position in a dictionary.
1. (d)	What will be the output of following code: n = [x*x for x in range(4)] print(n)
1. (e)	What will be the output of the following code snippet? def f(value, values): v = 1 values[0] = 44 t = 3 v = [1, 2, 3] f(t, v) print(t, v[0])
1. (f)	What will be the output of the following code snippet? x = "global" def scope(): global x y = "local" x = x * 2 print(x) print(y) scope()
1. (g)	What will be the output of the following Python code snippet? d1 = {"john":40, "peter":45} d2 = {"john":466, "peter":45} print(d1 == d2) i. True ii. False iii. None iv. Error
1. (h)	What will be the output of the following code snippet? Lst=[10,20,30,40,50] Lst[::2]=11,22,33 print(Lst) i. Error ii. [10,20,11,22,33] iii.[10,20,30,40,50,11,22,33] iv.[11,20,22,40,33]
1. (i)	What will be the output of following code: T1=’a’,’s’ T2=(‘a’,’s’) print(T1==T2) i. True ii. False iii. Error iv. 0

2. (a)	Rewrite the following code in python after removing all syntax error(s). Underline each correction done in the code. Define notify() N=input('Enter the value:') J=2 M=j**2/N-3 Return M

2. (b)	What will be the output of following code.(Ignore syntax error if any)
	def convert(str):
	length=len(str)
	s=" "
	for i in range(0,length):
	if(str[i].isupper()):
	s=s+str[i].lower()
	elif str[i].isalpha():
	s=s+str[i].upper()
	elif str[i].isdigit():
	s=s+'*'
	else:
	s=s+'#'
	print(s)
	
	convert('@EOISMoscow@2020')

2. (c)	Find and write the output of the following Python code: TXT = ["400","200","700","90"] CNT = 3 TOTAL = 0 for C in [3,5,7,9]: T = TXT[CNT] TOTAL = float(T) + C print(TOTAL) CNT -= 1

2. (d)	What output will be generated when the following Python code is executed?
	def ChangeList():
	L=[]
	L1=[]
	L2=[]
	for i in range(1, 10):
	L.append(i)
	for i in range(10,1,-2):
	L1.append(i)
	print(L1)
	for i in range(len(L1)):
	L2.append(L1[i]+L[i])
	L2.append(len(L)-len(L1))
	print(L2)
	
	ChangeList()

2. (e)	What are the possible outcomes executed from the following code? Also, specify the maximum and minimum values that can be assigned to variable COUNT. import random TEXT = "PROGRAMMING" COUNT = random.randint(0,3) C=10 while TEXT[C] != 'M': print(TEXT[C]+TEXT[COUNT]+' * ',end="") COUNT= COUNT + 1 C = C-1 (i) GG * NR * IA* (ii) GP * NR * IO * (iii) OG * NG * IR * (iv) GR * NO * IG *
2. (e)	What will be the output of following code.(Ignore syntax error if any) def examine(a,b,c=100): a=a+b+c b=a-c print(a,"-",b,"-",c) return (a) x=200 y=100 z=50 w=examine(x,y,z) print(x,"-",y,"-",z,"-",w) w=examine(x,y) print(x,"-",y,"-",z,"-",w)
3. (a)	What output will be produced by the following code: a = {i: i * i for i in range(6)} print (a)
3. (b)	Write a function LShift(Arr,n) in Python, which accepts a list Arr of numbers and n is a numeric value by which all elements of the list are shifted to left. Sample Input Data: Arr= [10,20,30,40,12,11], n=2 Output Arr = [30,40,12,11,10,20]
3. (c)	Write a function in Python FIND(Arr), where Arr is a list of numbers. From this list find and display the element with the highest frequency.
3. (d)	Write definition of a method/function DoubletheOdd(Nums) to add and display twice of odd values from the list of Nums. For example : If the Nums contains [25,24,35,20,32,41] The function should display Twice of Odd Sum: 202