

# KENDRIYA VIDYALAYA JHUNJHUNU

Half Yearly Examination 2019

Duration: 3Hrs.

XI - Informatics Practices

MM: 70

Advices:

- \* The programming language used for question answer is python.
- \* Students should strictly follow the python programming concepts.

<b>Section-1: Getting Started with Python</b>		
1(A)	Write the Extension name of Python programs by that they saved?	1
1(B)	Identify valid python identifiers from given below. First num, first-num, first.num, first_num, 2 <sup>nd</sup> _num, for, alha-bet	1
1(C)	What is difference between interactive mode and script modes in python?	2
1(D)	State some distinguished features of python language. (Any Six)	3
<b>Section-2: Python Programming Fundamentals</b>		
2(A)	Which will the correct output of following code. K="KVS_" print (K * 3) (A) KKK (B)KVS_*3 (C) KVS_KVS_KVS_ (D) KVS_*KVS_*KVS_*	1
2(B)	What will be output of given python code S= "ASP 1621" print ( type ( S ) ) (A) ASP 1621 (B) ASP (C) 1621 (D) < class 'str' >	1
2(C)	What will be output of given python code X=15+12*2-7/2 print ( type ( X ) ) (A) 50.5 (B) 35.5 (C) No Output (D) 32.5	1
2(C)	What is difference between variable and keyword in python?	2
OR	Re-Write the following code by using for loop while num>0: print(num%10) num=num/10	2
2(D)	Write a python program that accepts radius of a circle and print its area. (Hint: Area= PI . R <sup>2</sup> )	2
<b>Section-3: Python control Statements</b>		
3(A)	..... are diagrams that show the step to step solutions of a given problem.(Fill in blank)	1
3(B)	Which statement used to create blank statement? (A) empty (B) pass (C) NULL (D) Both (A) and (C)	1
3(C)	Give the output of print statement. A=11 B=3 print ( A % B > A // B ) (A) True (B) False (C) No output (D) Error in code	1

3(D)	Write a program to print any one of given below pattern	<div style="border: 1px solid black; padding: 5px; display: inline-block;"> <pre> A A B A B C A B C D A B C D E                     </pre> </div>	2
3(E)	Find the syntax error in given below python program. Write the correct code of error code. Code=input("Enter season code: ") if code=w: print("Winter Season") elif( code==r): PRINT (Rainy Season) else: print("Summer Season")		2
3(F)	Write a python program that takes an integer number as input and print the following. (A) Sum of digits (B) Count of digits		5
<b>Section-4: Strings Manipulation in Python</b>			
4(A)	Define string in python? Give example of string.		1
4(B)	What is full form of ASCII ?		1
4(C)	What will be output of following python code snippet? x="AmazingKVians" print(x[3:], " and" x[:3]) print(x[::-1], " and" x[-10:-2])		2
4(D)	Write a program in python that reads a line of string and counts the number of words in line.		3
4(E)	Write a program in python to check whether the string is a palindrome or not.		3
<b>Section-5: List Manipulation in Python</b>			
5(A)	Fill the blank space with appropriate word. Lists are ....., you can edit or update the list.		1
5(B)	The ..... method (function) used to delete element from a list , if index is known.		1
5(C)	Write output of given code Lst=["RINKU" ,"ANKIT" ,"LEELA" ,"ADI" ,"MASTU" ,"TINA" ,"KAVYA" ,"AMAR"] Count=0 for S in Lst: if ( S[0] in ('A')): count+=1 print("Appearing ", count, " times")		2
OR	What is similarity and difference between string and list? Write 2 points for each.		
5(D)	Write a program to calculate the mean of numbers given in list.		3

5(E)	A list Num contains the following elements. Num=[3,25,13,6,35,8,14,45] Write a program to sort the elements in ascending order by using Bubble Sort. (Note: you should not use sort() for solution.)	5
<b>Section-6: Computer System Organization</b>		
6(A)	Name two components of CPU?	1
6(B)	What does a "NIBBLE" mean in Computer system?	1
6(C)	Identify the related features of RAM or ROM in given below features. (i) Non- volatile Memory (ii) Content can't be changed. (iii) Volatile memory (iv) Bigger in size than other	2
6(D)	Describe the basic architecture and functioning of computer.	3
6(E)	Define the following. (i) Compiler (ii) Interpreter (iii) Assembler (iv) Cloud Computing (v) Booting	5
<b>Section-7: Data Representation and Boolean Algebra</b>		
7(A)	Write full form of ISCII.	1
7(B)	Which type of values stored in Boolean variables?	1
7(C)	Which is / are not a type of logic gate? (i) AND (ii) DAND (iii) OR (iv) DOR	1
7(D)	What is Unicode and how it is useful?	2
7(E)	Convert the $(101101)_2 = (\dots\dots\dots)_{10}$	2
7(F)	(i) Draw the Boolean diagram for following Boolean expression. $P=(A+B'+C'+D)$ (ii) Verify the Boolean expression by using truth table. $X+Y.Z = (X+Y) . (X+Z)$	3