## Dear students note all question and answer also

| $\begin{aligned} & \mathrm{Q} \\ & \text { No. } \end{aligned}$ | Question |
| :---: | :---: |
| 1 | State True or False <br> "Tuple is datatype in Python which contain data in key-value pair." |
| 2 | Which of the following is not a keyword? <br> (A) eval <br> (B) assert <br> (C) nonlocal <br> (D) pass |
| 3 | Given the following dictionaries <br> dict_student = \{"rno" : "53", "name" : ‘Rajveer Singh’\} <br> dict_marks = \{"Accts" : 87, "English" : 65\} <br> Which statement will merge the contents of both dictionaries? <br> (A) dict_student + dict_marks <br> (B) dict_student.add(dict_marks) <br> (C) dict_student.merge(dict_marks) <br> (D) dict_student.update(dict_marks) |
| 4 | Consider the given expression: <br> not ((True and False) or True) <br> Which of the following will be correct output if the given expression is evaluated? <br> (A) True <br> (B) False <br> (C) NONE <br> (D) NULL |
| 5 | Select the correct output of the code: <br> >>> s='mail2kv@kvsangathan.kvs.in' $\begin{aligned} & \ggg \text { s=s.split('kv') } \\ & \ggg \text { op = s[0] + "@kv" + s[2] } \\ & \ggg \text { print(op) } \end{aligned}$ <br> (A) mail2@kvsangathan <br> (B) mail2@sangathan. <br> (C) mail2@kvsangathan. <br> (D) mail2kvsangathan. |
| 6 | Which of the following statement(s) would give an error after executing the following code? <br> (A) S1 <br> (B) S3 <br> (C) S4 <br> (D) S3 and S4 |
| 7 | What will the following expression be evaluated to in Python? |


|  | print (round (100.0/4+(3+2.55), 1 ) ) <br> (A) 30.0 <br> (B) 30.55 <br> (C) 30.6 <br> (D) 31 |
| :---: | :---: |
| 8 | (A) Given is a Python string declaration: message='FirstPreBoardExam@2022-23' <br> Write the output of: print(message[ : : -3].upper()) <br> (B) Write the output of the code given below: <br> d1=\{'rno':25, 'name':'dipanshu'\} <br> d2=\{'name':'himanshu', 'age':30,'dept':'mechanical'\} <br> d2.update(d1) <br> print(d2.keys()) |
| 9 | Predict the output of the Python code given below: $\begin{aligned} & \text { data=["L",20,"M",40,"N",60] } \\ & \text { times=0 } \\ & \text { alpha="" } \\ & \text { add=0 } \end{aligned}$ <br> for $c$ in range (1,6,2): $\begin{aligned} & \text { times = times + c } \\ & \text { alpha = alpha + data [c-1] + "@" } \\ & \text { add = add + data[c] } \\ & \text { print (times, add, alpha) } \end{aligned}$ |
| 10 | Predict the output of the Python code given below: ```L=[1,2,3,4,5] Lst=[] for i in range(len(L)): if i%2==1: t=(L[i],L[i]**2) Lst.append(t) print(Lst)``` |
| 11 | Find the invalid identifier from the following <br> a) Marks@12 <br> b) string_12 <br> c)_bonus <br> d)First_Name |
| 12 | Identify the valid declaration of Rec: <br> Rec=(1,"Ashoka",50000) <br> a) List <br> b) Tuple <br> c) String <br> d) Dictionary |
| 13 | Suppose a tuple Tup is declared as Tup $=(\mathbf{1 2}, \mathbf{1 5}, \mathbf{6 3}, \mathbf{8 0})$ which of the following is incorrect? <br> a) $\operatorname{print(Tup[1])}$ <br> b) $\operatorname{Tup}[2]=90$ |


|  | c) $\operatorname{print}(\min ($ Tup) ) d) print(len(Tup)) |
| :---: | :---: |
| 14 | The correct output of the given expression is: True and not False or False <br> (a) False <br> (b) True <br> (c) None <br> (d) Null |
|  | $\mathrm{t} 1=(2,3,4,5,6)$ <br> print(t1.index(4)) <br> output is <br> (a) 4 <br> (b) 5 <br> (c) 6 <br> (d) 2 |
| 15 | Which of the following statement(s) would give an error after executing the following code? <br> $x=\operatorname{int}($ "Enter the Value of $x: "))$ \#Statement 1 <br> for $y$ in range[0,21]: \#Statement 2 <br> if $x==y$ : \#Statement 3 <br> print ( $\mathrm{x}+\mathrm{y}$ ) \#Statement 4 <br> else: \#Statement 5 <br> print (x-y) \# Statement 6 <br> (a) Statement 4 <br> (b) Statement 5 <br> (c) Statement 4 \& 6 <br> (d) Statement 1 \& 2 |
| 16 | (a) Given is a Python string declaration: str="Kendriya Vidyalaya Sangathan" Write the output of: print(str[9:17]) <br> (b) Write the output of the code given below: <br> Ist1 = [10, 15, 20, 25, 30] <br> Ist1.insert( 3, 4) <br> Ist1.insert( 2, 3) <br> print (Ist1[-5]) |
| 17 | Evaluate the following Python expression <br> print(12*(3\%4)//2+6) <br> (a) 12 <br> (b) 24 <br> (c) 10 <br> (d) 14 |
| 18 | Fill in the Blank <br> The explicit conversion of an operand to a specific type is called $\qquad$ <br> (a)Type casting <br> (b) coercion <br> (c) translation <br> (d) None of these |
| 19 | Which of the following is not a core data type in Python? <br> (a)Lists <br> (b) Dictionaries <br> (c)Tuple <br> (d) Class |
| 20 | ```What will the following code do? dict=\{"Exam":"AISSCE", "Year":2022\} dict.update(\{"Year":2023\}) a. It will create new dictionary dict=\{" Year":2023\}and old dictionary will be deleted b. It will throw an error and dictionary cannot updated c. It will make the content of dictionary as dict=\{"Exam":"AISSCE", "Year":2023\} d. It will throw an error and dictionary and do nothing``` |
| 21 | What will be the value of the expression : 14+13\%15 |
| 22 | Which of the following statement(s) would give an error after executing the following code? <br> S="Welcome to class XII" \# Statement 1 <br> print(S) \# Statement 2 <br> S="Thank you" \# Statement 3 <br> S[0]= '@' \# Statement 4 <br> S=S+"Thank you" \# Statement 5 <br> (a) Statement 3 <br> (b) Statement 4 <br> (b) Statement 5 <br> (d) Statement 4 and 5 |
| 23 | What will be the output of the following expression? <br> 24//6\%3, 24//4//2, 48//3//4 <br> a) $(1,3,4)$ <br> b) $(0,3,4)$ <br> c) (1,12,Error) <br> d)(1,3,\#error) |
| 24 | Write the output of following code and explain the difference between $a^{*} 3$ and $(a, a, a)$ $\begin{aligned} & a=(1,2,3) \\ & \operatorname{print}(a * 3) \\ & \operatorname{print}(a, a, a) \end{aligned}$ |
| 25 | Identify the invalid Python statement from the following. <br> (a) $\_b=1$ <br> (b) __b1=1 <br> (c) $b_{-}=1$ <br> (d) $1=\_$b |

26 Identify the valid arithmetic operator in Python from the following.
(a) //
(b) <
(c) or
(d) <>

27 If Statement in Python is
(a) looping statement
(b) selection statement
(c) iterative
(d) sequential

28 Predict the correct output of the following Python statement - $\quad \operatorname{print}(\mathbf{4}+\mathbf{3 * * 3 / 2})$
(a) 8
(b) 9
(c) 8.0
(d) 17.5

29 Choose the most correct statement among the following -
(a) a dictionary is a sequential set of elements
(b) a dictionary is a set of key-value pairs
(c) a dictionary is a sequential collection of elements key-value pairs
(d) a dictionary is a non-sequential collection of elements

30 Consider the string state = "Jharkhand". Identify the appropriate statement that will display the last five characters of the string state?
(a) state [-5:]
(b) state [4:]
(c) state [:4]
(d) state [:-4]

31 What will be the output of the following lines of Python code?
if not False:
print(10)
else:
print(20)
(a) 10
(b) 20
(c) True
(d) False

32 Find error in the following code(if any) and correct code by rewriting code and underline the correction;$x=\operatorname{int}($ "Enter value of $x: ")$
for in range [0,10]:
if $x=y$
$\operatorname{print}(x+y)$
else:
print( $x-y$ )
33 Find output generated by the following code:
Str = "Computer"
Str $=$ Str[-4:]
print(Str*2)
34 Consider the following lines of codes in Python and write the appropriate output:
student = \{'rollno': 1001, 'name':'Akshay', 'age':17\}
student['name']= "Abhay"
print(student)
35 Find output generated by the following code:
string="aabbcc"
count=3
while True:
if string $[0]=={ }^{\prime} \mathbf{a}^{\prime}$ :
string $=$ string [2:]
elif string $[-1]==' b$ ':
string=string[:2]
else:
count $+=1$
break
print(string)
print(count)
36 Write a program that reads one lower and one upper number and display all prime numbers in between both the numbers.

37 Note blow mentioned program and note the output also.
\# These are the program : regarding before or last
"'def replace_ending(st, subst, nst):
11=len(subst)
print(" length of subst =",11)

|  | ```12=len(st) print("length of st = ",l2) s=st[I2-11::]# I2 length-I1 lenth(12-3=6, start from 6 point) # :: it is at last so it will start from last point # means 6 se start hoker ke last tak jayega print(" Contet of s= ", s) if s==subst: newst=st[:I2-I1]+nst # I2 lenght -l1 lengh : it is at starting # means it will start from 0 to 5 only print("contents of newst = ", newst) else: newst=st return newst print(replace_ending("abcxyzabc", "123", "xyz")) print(replace_ending("abcxyzabc", "ABC", "xyz")) print(replace_ending("abcxyzabc", "PQR", "xyz"))``` |
| :---: | :---: |
| 38 | ```Note blow mentioned program and note the output also. "'def replace_ending(st, subst, nst): 11=len(subst) print(" length of subst =",l1) l2=len(st) print("length of st = ",I2) s=st[I2-I1::]# I2 length-I1 lenth(12-3=6, start from 6 point) # :: it is at last so it will start from last point # means 6 se start hoker ke last tak jayega print(" Contet of s= ", s) if s==subst: newst=st[:I2-I1]+nst # I2 lenght -l1 lengh : it is at starting # means it will start from 0 to 5 only print("contents of newst = ", newst) else: newst=st return newst print(replace_ending("abcdefghi", "ghi", "xyz")) print(replace_ending("jklmnopqr", "ABC", "xyz")) print(replace_ending("stuvwxyz7", "yz7", "xyz"))``` |

