SARASWATI VIDYA MANDIR .SR.SEC.SCHOOL, KAMLA NAGAR, AGRA

TIME :-2:00 HR **UNIT TEST-1** MAX.MARKS:-40

SUBJECT:- COMPUTER SCIENCE [083]

CLASS:-XII

* Attempt all Questions

Q1. Consider the given expression: 0 and 14 or not 12 or 0   **1**
     Which of the following will be correct output if the given expression is evaluated?
     a) 0   b) False   c) 1   d) True

Q2. Identify the incorrect variable name: **1**
     a) type   b) local   c) as   d)eval

Q3 Which of the following is valid arithmetic operator in Python: **1**
     (i) //   (ii) ?   (iii) <   (iv) and

Q4 Write the type of tokens from the following: **1**
     (i) if   (ii) roll_no   (iii) <   (iv) break

Q5 Name the Python Library modules which need to be imported to invoke the following functions: 1
     (i) ceil()   (ii) randint ()   (iii) pow()   (iv) sqrt()

Q6. Rewrite the following code in python after removing all syntax error(s).   3
    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)

Q7 What possible outputs(s) are expected to be displayed on screen at the time of execution of the   3
    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+1):
          print (AR[K],end="#")
    (i) 10#40#70#   (ii) 30#40#50#   (iii) 50#60#70#   (iv) 40#50#70#

Q8 What is the difference between list and tuple with example?   **2**
Q9 What is typecasting ?Explain with example?   **2**
Q10 What is the difference between id and type function? Explain with example.   2
Q11 What is the output of the following string   **2**
    Str= "I Love Python"
    S= Str.split()
    print(S)

Q12 What will be the output   **2**
    Text="I enjoy working in Python"
    X=Text.partition("working")
    Print(X)

Q13 Define the following functions with examples of string. 3
   (a) startswith()
   (b) endswith()
   (c) strip()

Q14 What will be the output for the following code? 4
   L=["These",["are","a"],["few","words"],"that","we","will","use"]
   (a) L[3:4]+L[1:2]
   (b) L[2][1:]
   (c) L[1]+L[2]
   (d) "few" in L[2:3][0]

Q15 tuple1=(23,1,45,67,45,9,55,45) 4
   Tuple2=(100,200)
   Find the output of the following-
   (a) print(tuple1.index(45))
   (b) print(tuple1.count(45))
   (c) print(tuple1+tuple(2)
   (d) print(sorted(tuple1))

Q16 tuple=(5,3,1,9,0) 4
   What will be output
   (a) print(tuple[:-1]
   (b) print(tuple[0:5])
   (c) print(tuple[0:4])
   (d) print(tuple(tuple[-4:])

Q17 What is the difference between mutable and immutable data type? Explain with example. 4