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**HOLIDAY ASSIGNMENT :: AUTUMN BREAK OCT’2019**

**CLASS- XI :: COMPUTER SCIENCE**

**Q.1: Classify each of the following as either a legal or illegal Python identifier:**

1. fred
2. sum total
3. xTwo
4. #if
5. Sumtotal
6. \_static
7. #2x
8. While
9. \_4
10. sum\_total
11. Private
12. 10%
13. sumTotal
14. public
15. a27834
16. sum-total
17. $16
18. wilma’s

**Q.2: Find Output: if i2 = 5,i3 = -3,1 = 2.0,d2 = 5.0,d3 = -0.5**

1. i1 + (i2 \* i3)
2. i1 \* (i2 + i3)
3. i1 / (i2 + i3)
4. i1 // (i2 + i3)
5. i1 / i2 + i3
6. i1 // i2 + i3
7. 3 + 4 + 5 / 3
8. 3 + 4 + 5 // 3
9. (3 + 4 + 5) / 3
10. (3 + 4 + 5) // 3
11. d1 + (d2 \* d3)
12. d1 + d2 \* d3
13. d1 / d2 - d3
14. d1 / (d2 - d3)
15. d1 + d2 + d3 / 3
16. (d1 + d2 + d3) / 3
17. d1 + d2 + (d3 / 3)
18. 3 \* (d1 + d2) \* (d1 - d3)

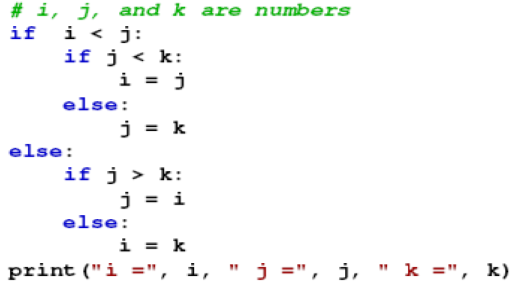
**Q.3: Write the output with explanation:**  
**(A)**

pi = 3.14159;  
print("Pi =", pi)  
print("or", 3.14, "for short")  
avogadros\_number = 6.022e23  
c = 2.998e8  
print("Avogadro's number =", avogadros\_number)  
print("Speed of light =", c)  
**(B)**

print('A\cf1nB\cf1nC')  
print('D\cf1tE\cf1tF')  
print('WX\cf1bYZ')  
print('1\cf1a2\cf1a3\cf1a4\cf1a5\cf1a6')   
**(C )**

w, x, y, z = 10, 15, 20, 25  
print(w, x, y, z)  
print(w, x, y, z, sep=',')  
print(w, x, y, z, sep='')  
print(w, x, y, z, sep=':')  
print(w, x, y, z, sep='-----')

**Q.4: WAP to for library charges a fine for books returned. Following are the fines :**  
>=60% **late. Following are the fines :**   
First five days : 40 paisa per day.  
The Six to ten day : 65 paisa per day.  
Above ten days : 80 paisa per day

**Q.5.Consider the following Python code fragment:**  


**What will the code print if the variables i, j, and k have the following values?**  
(a) i is 3, j is 5, and k is 7  
(b) i is 3, j is 7, and k is 5  
(c) i is 5, j is 3, and k is 7  
(d) i is 5, j is 7, and k is 3  
(e) i is 7, j is 3, and k is 5  
(f) i is 7, j is 5, and k is 3

**Q.6: Give the output of the following code:-**  
list=['p','r','o','b','l','e','m']  
list[1:3]=[]  
print(list)  
list[2:5]=[]  
print(list)  
**Q.7: Give the output of the following code:-**  
l1=[13,18,11,16,13,18,13]  
print(l1.index(18))  
print(l1.count(18))  
l1.append(l1.count(13))  
print(l1)

**Q.8:** WAP in python to create a list of natural numbers from 1 to 50 using for loop.  
**Q.9:** WAP in python to take two lists of same size and create a third list of same size with   
adding elements at the same location of 1st & 2nd list. E.g. if A=[1,2,3], B= [4,5,6], then   
C[5,7,9].  
**Q.10:** WAP in Python to accept any ten numbers from the user in a list and display the   
maximum number along with its position.  
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