**D.A.V. Centenary Public School, Chander Nagar**

**Class**: XI **Unit Test**-1 **M.M**:30

Note: All questions are compulsory

Programming Language is Python.

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| Q1 | A | Write any four fields where python can be used. | 1 |
|  | B | What is comment in Python? Explain different types of comments available in python with some suitable examples | 2 |
|  | C | Find out the valid and invalid identifier in the following list  1stTime , Total\_amount , RollNo21. VOLUME , sum$, #myname , rakesh, employee@dav , | 2 |
|  | D | Convert the following into python expressions   1. Volume = ii ) 2. iv) result = | 4 |
|  | E | Write shortcut command to open a new file in python IDLE | 1 |
| Q2 | A | Find out the syntax error(s) in the following program segment and also write its correct version  a=int(input("Enter a number: ")) b=int(input("Enter another number: ")) front**,**end=a,b  if a>b:  front,end = b,a  i==start  while i=<end  if (i%front=0):  print(i,end='--')  i=+1  print(I,end=”\n”) | 2 |
|  | B | Find out the output of the following program segment  N,M = 23456,0  while(N!=0):  M+=N%10  N = N//10  print(“Value of M :”,m) | 2 |
|  | C | Perform the following in Python   1. Write for loop to print first 100 natural numbers 2. Write expression to check whether number is completely divisible by 5 3. To check the sum of num1 and num2 is greater than product of num1 and num2 4. To check num1 and mum2 both are multiple of 5 | 4 |
|  | D | Find out order of evaluation of the following expressions   1. a+b > -b\*-a and a-c + b < c-a 2. b==a\*\*2 >b//2\*c/d+c | 2 |
| Q3 | A | Write a script to input principal, time and calculate simple interest. If time is more than 10 years, calculate simple interest at the rate of 8% p.a., otherwise calculate it at the rate of 12% p.a. | 3 |
|  | B | Write a script to input three numbers from keyboard and find the largest of these numbers from these numbers and print it on the screen. | 3 |
|  | C | Write a program to input a number and check whether it is a palindrome number or not | 4 |