STD: XIIS

INSTRUCTIONS:

Q1. Programming Language: Python, MYSQL

Q2. All questions are compulsory.

Q1. Name the built-in mathematical function / method that is used to return an absolute value of a number

an absolute value of a number		
Q2.	Find an output of the following	x=5
	code	func(10)
	def func(b):	
	global x	
	print('Global x=', x)	
	y = x + b	
	x = 7	
	z = x - b	
	print('Local x = ',x)	
	print('y = ',y)	
	nrint('z = 'z)	

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Q3.
           def get(x,y,z):
                                                                                               2
                                                     a=10
                                                     b=20
                \chi += y
                                                     c=5
                y-=1
                z^*=(x-y)
                                                     put(a,c,b)
                 print(x,'#',y,'#',z)
                                                     get(b,c,a)
            def put(z,y,x):
                                                     put(a,b,c)
                x*=y
                                                     get(a,c,b)
                y+=1
                                                     Find an output of the following
                z^*=(x+y)
                                                     code.
                 print(x,'$',y,'$',z)
```

- Q4. Write a python program to accept username "Admin" as default argument and password to entered by the user to allow login into the system
- Q5. Write and explain the types of functions supported by python.
- Q6. Write add(Books) and delete(Books) methods in Python to add Books and 3 remove Books considering them to act as append() and pop() operations in Stack.
- Q7. What do you mean by the LIFO structure? Support your answer with real-life examples
- Q8. Write a python function to:
 - 1. Insert an element at the top of the stack
 - 2. Delete an element at the top of the stack
- Q9. Write a program using function to accept a number and find out whether 2 it is a perfect number or not. {Hints: Perfect number, a positive integer that is equal to the sum of its proper divisors.}
- Q10. Differentiate between actual parameter(s) and a formal parameter(s) 2 with a suitable example for each
- Q11. Write a function called removeFirst that accepts a list as a parameter. It should remove the value at index 0 from the list.

 Note that it should not return anything (returns None). Note that this function must actually modify the list passed in, and not just create a second list when the first item is removed. You may assume the list you are given will have at least one element.
- Q12. Write a function in Python PUSH (Arr), where Arr is a list of numbers. From 2 this list push all the numbers divisible by 5 into a stack implemented by using a list. Display the stack if it has at least one element, otherwise display appropriate error message

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