1. What is the output of the following code?

def quest(x):

x[0], x[1] = x[0] + “ Johri”, x[1] + “ Gupta”

return id(x)

q = [“mayank”, “Manish”]

print(id(q) == quest(q))

a) True b) False c) None d) error

1. Function f(x) have no `return`, what value is thrown by it when executed in python shell?

a) Int b) bool c) void d) None

1. Which of the following is invalid?

a) \_a = 1 b) \_\_a = 1 c) corr&test = 1 d) None

1. Which of the following is an invalid statement?

**a)** abc = 1,000,000 **b)** a b c = 10 20 30 **c)** a,b,c = 10, 20, 30 **d)** a\_b\_c = 1,000,000

1. Following set of commands are executed, what will be the output of `print`?

str="hello"

print(str[-1:2])

1. What is the return type of function `id`
2. What command is used to install a third party module from internet
3. What will be the output of the following code?

print(“\’This\n$is$funny$$\btext\tand$is$good$for$testing\’.”)

1. Which of the operators **{ + \* - in }** can be used with strings?
2. What is the output when following statement is executed?

print(‘Mayank ’ ‘Johri’ ‘.’)

1. What is the output of the following statement?

str='Manish Gupta'

print(str.rfind('a'))

1. What is the output

str=' aalok Narkhede'

print(str.replace('a','K',2))

1. What all ways one can find the length of a string in python
2. What is the output of the following code?

print(‘roshan Musheer’.capitalize())

1. What is the output of the following code?

str='Prashant Bandiwadekar'

str[8]='-'

print (str)

1. What is the output of the following code?

class A:

def \_\_init\_\_(self):

self.x = 1

self.\_\_y = 1

def getY(self):

return self.\_\_y

a = A()

a.x = 45

print(a.x)

1. What is the output of the following code?

class A:

def \_\_str\_\_(self):

return("K.V. Pauly")

class B(A):

def \_\_init\_\_(self):

super().\_\_init\_\_()

class C(B):

def \_\_init\_\_(self):

super().\_\_init\_\_()

def main():

a = A()

b = B()

c = C()

print(a, b, c)

main()

1. What is the output of the following?

class A:

def \_\_init\_\_(self, a = 10, b = 20):

self.a = a

self.b = b

def \_\_str\_\_(self):

return"A"

def \_\_eq\_\_(self, other):

return self.a \* self.b == other.a \* other.b

def main():

x = A(10, 20)

y = A()

print(x == y)

main()

1. Find the length of string “name” without using any in-built function

Name = “Viswanathan, Karthik”

1. What is the output of the following?

d = {"Mayank":40, "Aalok":35}

print(list(d))

1. What is the output of the following?

def factorial(n):

return n \* factorial(n - 1)

factorial (1)

1. What is the output of the following?

x = True

y = False

z = False

if not x or y:

print (“Mayank”)

elif not x or not y and z:

print (“Aalok”)

elif not x or y or not y and x:

print (“Manish Gupta”)

else:

print (“Gajendra Bandi”)

1. Write a function to check “Strong Number”. **Strong Numbers** are the numbers whose sum of factorial of digits is equal to the original number