

WORKSHEET–FUNCTIONS

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| 1 | Function name must be followed by |
| Ans |  |
| 2 | Keyword is used to define a function |
| Ans |  |
| 3 | Function will perform its action only when it is |
| Ans |  |
| 4 | **Write statement to call the function.**  defAdd():  X=10+20  print(X)  #statement to call the above function |
| Ans |  |
| 5 | **Write statement to call the function.**  def Add(X,Y):  Z=X+Y  print(Z)  #statement to call the above function |
| Ans |  |
| 6 | **Write statement to call the function.**  def Add(X,Y):  Z=X+Y  return Z  #statement to call the above function print(“Total =”,C) |
| Ans |  |
| 7 | **Which Line Number Code will never execute?**  def Check(num): #Line1 if num%2==0: #Line2 print("Hello") #Line 3  return True #Line4  print("Bye") #Line5  else: #Line6  return False #Line7 C = Check(20)  print(C) |
| Ans |  |
| 8 | **What will be the output of following code?**  def Cube(n):  print(n\*n\*n)  Cube(n) # n is 10 here print(Cube(n)) |
| Ans |  |

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| 9 | What are the different types of actual arguments in function? Give example of any one of them. |
| Ans |  |
| 10 | **What will be the output of following code:**  def Alter(x, y = 10, z=20): sum=x+y+z print(sum)  Alter(10,20,30)  Alter(20,30) Alter(100) |
| Ans |  |
| 11 | Ravi a python programmer is working on a project, for some requirement, he has to define a function with name Calculate Interest(),he defined it as:  def CalculateInterest(Principal,Rate=.06,Time): # code  But this code is not working, Can you help Ravi to identify the error in the above function and what is the solution. |
| Ans |  |
| 12 | **Call the given function using KEYWORDARGUMENT with values 100 and 200**  def Swap(num1,num2): num1,num2=num2,num1 print(num1,num2)  Swap( , ) |
| Ans |  |

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| 13 | **Which line number of code(s)will not work and why?**  def Interest(P,R,T=7):I = (P\*R\*T)/100  print(I)  Interest(20000,.08,15) #Line1  Interest(T=10,20000,.075) #Line2  Interest(50000,.07) #Line3  Interest(P=10000,R=.06,Time=8) #Line4  Interest(80000,T=10) #Line5 |
| Ans |  |
| 14 | **What will be the output of following code?**  def Calculate(A,B,C):  return A\*2,B\*2,C\*2  val = Calculate(10,12,14) print(type(val))  print(val) |
| Ans |  |
| 15 | What is Local Variable and Global Variables? Illustrate with example |
| Ans |  |
| 16 | **What will be the output of following code?**  def check():  num=50 print(num)  num=100 print(num) check()  print(num) |
| Ans |  |

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| 17 | **What will be the output of following code?**  def check():  global num num=1000 print(num)  num=100 print(num) check() print(num) |
| Ans |  |
| 18 | **What will be the output of following code?**  print(“Welcome!”)  print(“I am“, name ) # isdoubleunderscore |
| Ans |  |
| 19 | Function can alter only Mutable datatypes?(True/False) |
| Ans |  |
| 20 | A Function can call another function or itself?(True/False) |
| Ans |  |
| 21 | **What will be the output of following code?**  def display(s): l = len(s) m=""  foriinrange(0,l):  ifs[i].isupper():  m=m+s[i].lower()  elifs[i].isalpha():  m=m+s[i].upper()  elifs[i].isdigit():  m=m+"$"  else:  m=m+"\*"  print(m) [display("EXAM20@cbse.com")](mailto:EXAM20@cbse.com) |
| Ans |  |
| 22 | **What will be the output of following code?**  def Alter(M,N=50):  M=M+N  N=M-N  print(M,"@",N) return M |

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|  | A=200 B=100  A = Alter(A,B) print(A,"#",B) B = Alter(B) print(A,‟@‟,B) |
| Ans |  |
| 23 | **What will be the output of following code?**  def Total(Number=10):  Sum=0  for C in range(1,Number+1): if C%2==0:  continue Sum+=C  return Sum  print(Total(4)) print(Total(7)) print(Total()) |
| Ans |  |
| 24 | **What will be the output of following code?**  X=100  def Change(P=10,Q=25): global X  ifP%6==0:  X+=100  else:  X+=50 Sum=P+Q+X  print(P,'#',Q,'$',Sum) Change()  Change(18,50) Change(30,100) |
| Ans |  |
| 25 | **What will be the output of following code?**  a=100  def show():  global a a=200 |

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|  | def invoke():  global a a=500  show() invoke()  print(a) |
| Ans |  |
| 26 | **What will be the output of following code?**  def drawline(char='$',time=5): print(char\*time)  drawline() drawline('@',10)  drawline(65) drawline(chr(65)) |
| Ans |  |
| 27 | **What will be the output of following code?**  def Updater(A,B=5):  A=A//B  B=A%B  print(A,'$',B) return A+B  A=100 B=30  A = Updater(A,B) print(A,'#',B)  B=Updater(B) print(A,'#',B)  A=Updater(A) print(A,'$',B) |
| Ans |  |
| 28 | **What will be the output of following code?**  def Fun1(num1):  num1\*=2  num1 = Fun2(num1) return num1 |

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|  | def Fun2(num1):  num1 = num1 // 2 return num1  n=120  n = Fun1(n) print(n) |
| Ans |  |
| 29 | **What will be the output of following code?**  X=50  def Alpha(num1):  global X num1+= X X += 20  num1 = Beta(num1) return num1  def Beta(num1):  global X num1+= X X += 10  num1=Gamma(num1) return num1  def Gamma(num1): X = 200  num1 += X return num1  num=100  num = Alpha(num) print(num,X) |
| Ans |  |
| 30 | **What will be the output of following code?**  defFun1(mylist):  for i in range(len(mylist)): if mylist[i]%2==0:  mylist[i]/=2  else:  mylist[i]\*=2  list1=[21,20,6,7,9,18,100,50,13]  Fun1(list1) print(list1) |
| Ans |  |