

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+20print(X) #statement to call the above function |
| Ans |  |
| 5 | **Write statement to call the function.**def Add(X,Y):Z=X+Yprint(Z) #statement to call the above function |
| Ans |  |
| 6 | **Write statement to call the function.**def Add(X,Y):Z=X+Yreturn 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 3return True #Line4print("Bye") #Line5else: #Line6return 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): # codeBut 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)/100print(I)Interest(20000,.08,15) #Line1Interest(T=10,20000,.075) #Line2Interest(50000,.07) #Line3Interest(P=10000,R=.06,Time=8) #Line4Interest(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\*2val = 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") |
| Ans |  |
| 22 | **What will be the output of following code?**def Alter(M,N=50):M=M+NN=M-Nprint(M,"@",N) return M |

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

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

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|  | def Fun2(num1):num1 = num1 // 2 return num1n=120n = Fun1(n) print(n) |
| Ans |  |
| 29 | **What will be the output of following code?**X=50def Alpha(num1):global X num1+= X X += 20num1 = Beta(num1) return num1def Beta(num1):global X num1+= X X += 10num1=Gamma(num1) return num1def Gamma(num1): X = 200num1 += X return num1num=100num = 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]/=2else:mylist[i]\*=2list1=[21,20,6,7,9,18,100,50,13]Fun1(list1) print(list1) |
| Ans |  |