

COMPUTER SCIENCE
CLASS XII
MID-TERM
SET B1/ B2
Marking Scheme
(2023-2024)

Set B1	Set B2	Expected Answer
Q1	Q16	(ii)
Q2	Q15	(iii)
Q3	Q14	(ii)
Q4	Q13	(iv)
Q5	Q12	(iv)
Q6	Q11	(i)
Q7	Q10	(iv)
Q8	Q9	(ii)
Q9	Q8	(ii)
Q10	Q7	(iv)
Q11	Q6	(ii)
Q12	Q5	(i)
Q13	Q4	(iii)
Q14	Q3	(iii)
Q15	Q2	(ii)
Q16	Q1	(iii)
Q17	Q17	(c)
Q18	Q18	(a)
Q19	Q25	<pre>def fibonacci(n): a=0 b=1 c=a+b While c<=n:</pre>

		<pre> print(c): a==b b=c c=a+b </pre>
Q20	Q24	<pre> import statistics print(statistics.mode(listname)) </pre>
Q21	Q23	A default argument is a value in the function declaration automatically assigned by the compiler if the calling function does not pass any value to that argument.
Q22	Q22	A global variable is accessible globally i.e., it is declared outside any function and it can be accessed from any function in the program. In Python, a global variable can be accessed from within a function by using the keyword global.
Q23	Q21	<p>(i) Relational Database Management System Last In First Out</p> <p>(ii) PRIMARY KEY is a single column/field in a table that uniquely identifies each record in a database table.</p>
Q24	Q20	<p>(i) (30, 'Bangalore')#Kochi</p> <p>(ii) ['@30', 'OTNMX', 'SC@'] 25</p>
Q25	Q19	<pre> [61, 72, 83, 94, 2] [61, 72, 83, 94] 2 </pre>
Q26	Q30	<p>(i) Degree is 6 and cardinality is 5</p> <p>(ii) Storeid is primary key and Ownerid is foreign key</p>
Q27	Q29	<pre> def Splitup(D): l1=[] l2=[] items = D.items() for i in items: l1.append(i[0]) if i[1] not in l2: l2.append(i[1]) return l1,l2 D= {'Ravi' : 'Red', 'Ojaswi' : 'Orange', 'Rohan': 'Red', 'Gaurav' : 'Green'} L1,L2=Splitup(D) print(L1,L2) </pre>

Q28	Q28	<pre> def countlines(): with open('paragrapg.txt') as f: m=f.readlines() c=0 for line in m: s=line.strip() if s[::-1] in "wW": c+=1 print(c) </pre>
Q29	Q27	<pre> def Count_Freq(L): E={} ct1=0 ct2=0 for i in L: if i%2==0: ct1+=1 else: ct2+=1 E={"Even":ct1,"Odd":ct2} </pre>
Q30	Q26	<pre> travel= [] def Push_element (NList): for L in NList: if L[1] != "India" and L[2]<3500: travel.append([L[0],L[1]]) def Pop element (): while len (travel): print (travel.pop()) else: print ("Stack Empty") </pre>
Q31	Q32	<pre> i. pickle ii. f1=open("emp.dat",'wb') iii. pickle.dump(l,f1) iv. rec=pickle.load(f2) </pre>
Q32	Q31	<pre> def PUSH(Arr): stack = [] for num in Arr: if num % 5 == 0: stack.append(num) def POP(): if stack: print("Stack elements are:") for element in stack: print(element) else: </pre>

		print("No elements divisible by 5 found.")
Q33	Q35	<pre> def CreateEmp(): f1=open("emp.dat",'wb') eid=input("Enter E. Id") ename=input("Enter Name") designation=input("Enter Designation") salary=int(input("Enter Salary")) l=[eid,ename,designation,salary] pickle.dump(l,f1) f1.close() def display(): f2=open("emp.dat","rb") try: while True: rec=pickle.load(f2) if rec[3]>5000: print(rec[0],rec[1],rec[2],rec[3]) except: f2.close() </pre>
Q34	Q34	<pre> def ADD(): fh = open("bankrecords.csv","a",newline="") stuwriter = csv.writer(fh) data = [] header = ['BANKID', 'BANKNAME', 'BANKADDRESS'] data.append(header) bankid = input("Enter Bankid : ") bankname = input("Enter BankName : ") address = input("Enter Address : ") data.append([bankid,bankname,address]) stuwriter.writerow(data) fh.close() def SEARCH(): fh = open("bankrecords.csv","r",newline="") stu = csv.reader(fh) for r in stu: if r[1]=="SBI" or r[1]=="ICICI": print(r) fh.close() </pre>
Q35	Q33	<pre> i. import csv ii. "w",newline="" iii. csv.writer(f,delimiter=",") iv. data v. writerows(data) </pre>

