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| **FIRST TERM EXAMINATION 2023-24**  **ANSWER KEY** | | | |
| **Subject: COMPUTER SC (083)**  **Grade: XII** | | Max. Marks: 70Time: 3 Hrs. | |
| **Qno** | **SECTION A** | | Mark |
| **1.** | False | | **1** |
| **2.** | d.finally | | **1** |
| **3.** | b. ['Grade ', '', ' Exam'] | | **1** |
| **4.** | b. Desc,ASC | | **1** |
| **5.** | c. Username, Password, Hostname. | | **1** |
| **6.** | c. cursor.fetchmany(SIZE) | | **1** |
| **7.** | c. Calc(Y=25) | | **1** |
| **8.** | d. Attribute | | **1** |
| **9.** | a. ('Amrit', ' ', 'Mahotsav @ 75') | | **1** |
| **10.** | c. Statement 4 | | **1** |
| **11.** | d. Alter | | **1** |
| **12.** | d. Exception | | **1** |
| **13.** | a. else | | **1** |
| **14.** | [['hello', 'bye'], 90, 67] | | **1** |
| **15.** | SELECT NAME FROM TEACHER WHERE NAME = “\_ \_0?”; | | **1** |
| **16.** | mysql.connector | | **1** |
| **17.** | a. | |  |
| **18.** | d. | |  |
|  | **SECTION B** | |  |
| **19.** | x= 2 y= 0  invalid value  executing finally clause | | **2** |
| **20.** | a. 10.0  b. 7 | | **2** |
| **21.** | **def func1(b, a=20):**  **b=+10**  **a\*=b**  **return a and b**  **x=func1(30)**  **print(x)** | | **2** |
| **22.** | a)  GCode COUNT(\*)  ----------- ----------------  101 2  108 1  103 1  b)  MAX(SHEDULEDATE) MIN(SCHEDULEDATE)  ------------------------------- ---------------------------------  19-Mar-2004 12-Dec-2003  c)  GCode Name GameName PrizeMoney  ----------- ---------------- ------------------- ----------------  101 Nabi Ahmad Carrom Board 5000  103 Nazneen Table Tennis 8000  d)  SUM(PRIZEMONEY)  -----------------------------  59000 | | **2** |
| **23.** | **Firstname=input("Enter your firstname")**  **Lastname=input("Enter your Last Name")**  **Dob=input("Enter Date of Birth(DD-MM-YYYY)")**  **passwd=Firstname[:4].upper()+Lastname[-1:-4:-1].lower()+"@"+Dob[:2]**  **print("Your password will be:",passwd)**  **(1/2 mark for input,1 mark for logic,1/2 mark for output)** | | **2** |
| **24.** | Option a) and option d)  (2 marks for the correct answer) | | **2** |
| **25.** | The product of 2 tables ( called cross product or cross join)bracket close is the concatenation of every tuple of 1 table with every tuple of the 2nd table. The cartesian product of table A having m rows and table B having n tuples has total rows m\*n. | | **2** |
|  | **SECTION C** | |  |
| **26.** | **10.0 # 10.0**  **10.0 $ 20**  **2.0 # 2.0**  **10.0 $ 2.0**  **1.0 # 1.0**  **1.0 $ 2.0**  **(1/2 mark each correct line of output)** | | **3** |
| **27.** | def Change(Arr,n): (1/2 mark)  for i in range(len(Arr)):  if Arr[i]%10==n:  num=Arr[i] (1 mark)  sum=0  while num!=0:  sum+=num%10  num//=10 (1 and ½ mark)  Arr[i]=sum  return(Arr) | | **3** |
| **28.** | str=input("Enter the sentence: ")  d={}  for x in str:  if x.isalnum():  if x in d:  d[x]=d[x]+1  else:  d[x]=1  print(d)    (½ mark for loop, 1 for creating dictionary, 1 for checking the condition and ½ for displaying the appropriate message) | | **3** |
| **29.** | import mysql.connector # import module  conobj=mysql.connector.connect(host='localhost',user='HRMan',password='HRMANexe@pwd',database="HTMdb") # connection  cur.execute("use HTMdb")  cur.execute("Update Employee set age=age+1")  conobj.commit()  conobj.close()  (1/2 mark for module,1/2 mark for connect,1 mark for update query,1/2 mark for commit and close each) | | **3** |
| **30.** | b) describe mobilestock;  or  desc mobilestock;  (1 mark) | | **3** |
|  | **SECTION D** | |  |
| **31.** | a) fetchall() fetches all the rows of a query result. An empty list is returned if there is no record to fetch the cursor. fetchone() method returns one row or a single record at a time. It will return None if no more rows / records are available.    (1 marks for correct answer)  b)  **Statement 1: con1.cursor()**  **Statement 2: mycursor.execute("select \* from student where stipend>350")**  **Statement 3: mycursor.fetchall()**  **(1 mark each)** | | **4** |
| **32.** | a) Select CODE,NAME from SALESPERSON where ITCODE=”I7”;  b) Select \* from SALESPERSON order by SALARY desc;  c) Select ITCODE,COUNT(\*) from SALESPERSON group by ITCODE;  d) Select S.CODE,S.NAME,I.ITCODE from SALESPERSON S, ITEM I where S.ITCODE=I.ITCODE AND I.TURNOVER>=700000;  (1 mark each -1/2 mark if query is partially correct) | | **4** |
|  | **SECTION E** | |  |
| **31.** | a. Primary key of CABHUB = Vcode  Alternate key of CABHUB = VehicleName.  b. 4  c.  i. Select vehiclename, cname from carhub c, customer s where c.vcode=s.vcode and make like ‘T%’ or make like ‘S%’;  ii. DELETE FROM CARHUB WHERE color=’white’' ;  iii. ALTER TABLE customer ADD(PNUM integer); | | **5** |
| **32.** | a.    Degree: 4  Cardinality:2  ( 1 mark output and 1 mark degree and cardinality)  b.  CREATE TABLE EMPLOYEE  (  ENO INT PRIMARY KEY ,  ENAME VARCHAR2(20) NOT NULL ,  GENDER CHAR(1) ,  SAL int CHECK (SAL>5000) ,  ADDRESS VARCHAR2(20) DEFAULT ADDRESS= ‘DUBAI’,  MOBILENO int UNIQUE  );  (1/2 mark each correct datatype and constraint) | | **5** |
| **33.** | a.  i.2 🡪3🡪7🡪10🡪7🡪8🡪3🡪4🡪5🡪8🡪10 (1 mark)  ii. x is global variable and y is local variable. (1 mark)  b. | | **5** |

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