SESSION ENDING PRACTICAL EXAMINATION 2019

SUBJECT: INFORMATICS PRACTICES (065)

Set-1

Q.1	i) Write a python program to print largest of three numbers. ii) Write program to create DataFrame using Dictionary of Dictionaries.	4 4
Q.2	Create the following table **Sports_club** and insert the given rows. Write SQL queries & outputs for the following. TABLE **: Sports_club** (i) Write SQL to display pname, game and price whose price in range 6000 to 8000 (ii) Write the SQL query to display details of 'A' rated players (iii) Write SQL query to display the pname and game for those players who either play Soccer or Cricket or Judo. (iv) Write SQL to display Record of 'A' rated clubs whose price between 5000 and 7000.	4

playerid	pname	game	price	rating
1001	TOM	Soccer	5000	A
1002	BOB	Volleyball	5600	B
1003	JIM	Basketball	6000	A
1004	SID	Soccer	7000	C
1005	JOY	Cricket	4500	A
1006	SAM	Judo	8000	B

SESSION ENDING PRACTICAL EXAMINATION 2019

SUBJECT: INFORMATICS PRACTICES (065)

Set-2

Q.1	i) Write a python program to print the grade based on the criteria: 0 – 32->F, 33-44->E, 45-59->D, 60-74->C, 75-89->B, 90-100->A ii) Write program to create DataFrame using Dictionary of Lists.	4 4
Q.2	Create the following table **Sports_club** and insert the given rows. Write SQL queries & outputs for the following. TABLE **: Sports_club** (i) Write SQL to display pname, game and price whose pname ends with M (ii) Write the SQL query to display details of A and B rated players (iii) Write SQL query to display the pname and game for those players whose price is greater than 6000. (iv) Write SQL to display total number of Games available in Club.	4

playerid	pname	game	price	rating
1001	TOM	Soccer	5000	A
1002	BOB	Volleyball	5600	B
1003	JIM	Basketball	6000	A
1004	SID	Soccer	7000	C
1005	JOY	Cricket	4500	A
1006	SAM	Judo	8000	B

SESSION ENDING PRACTICAL EXAMINATION 2019

SUBJECT: INFORMATICS PRACTICES (065)

Set-3

Q.1 (4)

i) Write a python program to read a number from user and find the sum of 1 to that no. (4)

Hint : if user enters 5, Then 1+2+3+4+5=15 Ans is 15.

ii) Write program to create Series using Dictionary of Dictionaries. (4)

Q.2 (4)

Create the following table **Teacher** and insert the given rows. Write SQL queries & outputs for the following.

TABLE **: Teacher**

Empno	Ename	Dept	Salary	Bonus
A1101	RAM	PHY	8000	500
A1102	TONY	CHEM	5600	NULL
B1231	ALI	PHY	6000	1000
B1211	SUMA	BIO	6000	NULL
C1101	RAMA	CHEM	5600	300
A1345	JENNY	MATH	8500	NULL

(i) Write a query to display Ename and Dept for all Teachers who are either in PHY or in MATH department.

(ii) Write the SQL query to list all the Teachers with their salary range 6000 to 8000.

(iii) Write the SQL query to display Ename, salary and bonus for teachers who are not getting any bonus.

(iv) Write SQL to display total salary paid in each departments.

SESSION ENDING PRACTICAL EXAMINATION 2019

SUBJECT: INFORMATICS PRACTICES (065)

Set-4

Q.1 (4)

i) Write a python program to a number from user and find its factorial. (4)

ii) Write program to create DataFrame using List of Dictionaries. (4)

Q.2 (4)

Create the following table **Teacher** and insert the given rows. Write SQL queries & outputs for the following.

TABLE **: Teacher**

Empno	Ename	Dept	Salary	DOB
A1101	RAM	PHY	8000	12-JAN-1980
A1102	TONY	CHEM	5000	22-MAR-1990
B1231	ALI	PHY	6000	08-Aug-1992
B1211	SUMA	BIO	6000	12-Jun-1995
C1101	RAMA	CHEM	5600	25-Nov-1994
A1345	JENNY	MATH	8500	18-Dec-1975

(i) Write a query to display Ename and Dept for all Teachers who born in or after 1990 .

(ii) Write the SQL query to list all the Teachers with their salary is greater than 5000 but not more than 8000.

(iii) Write the SQL query to display the different Dept. names.

(iv) Write SQL to display total salary paid in each departments.

SESSION ENDING PRACTICAL EXAMINATION 2019

SUBJECT: INFORMATICS PRACTICES (065)

Set-5

Q.1	i) Write a python program to find the minimum, maximum, sum of a list. ii) Write program to create DataFrame using List of Lists.	4 4
Q.2	Create the following table **MusicStore** and insert the given rows. Write SQL queries & outputs for the following. Table:**MusicStore** (i) Write a query to display details of all albums who are getting Discount. (ii) Write the SQL command to list all the Albums with cost in the range 300 and 500. (iii) Write SQL query to delete column Discount from table. (iv) Write SQL to change datatype of column Cost from integer to float.	4

Albumid	Aname	Singer	Cost	Discount
1001	Shayer	Kishore	500	
1002	Savera	Lata	400	100
1005	Fame	Lata	500	
1004	Almighty	Shanu	300	50
1006	Dusk	Kishore	200	
1008	Dawn	Shanu	100	50

SESSION ENDING PRACTICAL EXAMINATION 2019

SUBJECT: INFORMATICS PRACTICES (065)

Set-6

Q.1	i) Write Python prog to read a number from user and print cube of that number. ii) Write a python program to declare a dictionary containing five subjects and their marks. Then calculate the total marks and display.	4 4
Q.2	Create the following table **MusicStore** and insert the given rows. Write SQL queries & outputs for the following. Table:**MusicStore** (i) Write a query to display details of all albums who are not getting Discount. (ii) Write the SQL command to list all the Albums with Singer either Kishore or Lata (iii) Write SQL query to display album names and Singer whose Aname ends with the alphabet 'e'. (iv) Write SQL to display total cost i.e. cost + Discount for each Singer .	4

Albumid	Aname	Singer	Cost	Discount
1001	Shayer	Kishore	500	
1002	Savera	Lata	400	100
1005	Fame	Lata	500	
1004	Almighty	Shanu	300	50
1006	Dusk	Kishore	200	
1008	Dawn	Shanu	100	50

SESSION ENDING PRACTICAL EXAMINATION 2019

SUBJECT: INFORMATICS PRACTICES (065)

Set-7

Q.1 — 4 + 4

I) Write python prog to read a number from user and print factorial.

ii) Write a python program to create a DataFrame of following table "**Zoo"** (Q.2) using dictionary of lists.

Q.2 — 4

Create the following table **Zoo** and insert the given rows. Write SQL queries & outputs for the following.

Table:**Zoo**

Animalid	Aname	Species	Origin	price
101	Tiger	Mammal	India	10000
102	Peacock	Bird	India	5000
103	Zebra	Mammal	Africa	8000
104	Kangaroo	Mammal	Australia	6000
105	Mamba	Snake	Africa	4000
106	Kiwi	Bird	NewZeland	4000

(i) Write SQL query to display the names of all Mammals and Birds.

(ii) Write the SQL query to display the Aname, Species and Origin whose origin is India

(iii) Write a query to display the Aname, Species and price of animals whose Aname starts with K.

(iv) Write SQL to display total no .of species and total amount.

SESSION ENDING PRACTICAL EXAMINATION 2019

SUBJECT: INFORMATICS PRACTICES (065)

Set-8

Q.1 — 4 + 4

i) Write Python prog to read a List and print all even numbers of the list.

ii) Write a python program to create a DataFrame of following table "**Zoo"** (Q.2) using Dictionary of Lists.

Q.2 — 4

Create the following table **Zoo** and insert the given rows. Write SQL queries & outputs for the following.

Table:**Zoo**

Animalid	Aname	Species	Origin	price
101	Tiger	Mammal	India	10000
102	Peacock	Bird	India	5000
103	Zebra	Mammal	Africa	8000
104	Kangaroo	Mammal	Australia	6000
105	Mamba	Snake	Africa	4000
106	Kiwi	Bird	NewZeland	4000

(i) Write SQL query to display the Aname, Species and price whose price is in range 8000 to 10000.

(ii) Write the SQL query to display the Aname, Species and Origin whose origin is Africa

(iii) Write a query to display the Aname, Species and price of animals whose Aname ends with 'a'.

(iv) Write SQL to display Animal Name in disbanding order of their price.

SESSION ENDING PRACTICAL EXAMINATION 2019

SUBJECT: INFORMATICS PRACTICES (065)

Set-9

<table>
<tr><td>Q.1</td><td>i) Write Python prog. to read a list and print list in reverse order.
ii) Write a python program to create a panda Series of following table “Sale” (Q.2) using dictionary.</td><td>4
4</td></tr>
<tr><td>Q.2</td><td>Create the following table Sale and insert the given rows. Write SQL queries & outputs for the following.
Table:Sale
<table>
<tr><th>Billno</th><th>Pname</th><th>Quantity</th><th>Rate</th><th>Discount</th></tr>
<tr><td>1001</td><td>PEN</td><td>100</td><td>50</td><td>5</td></tr>
<tr><td>1002</td><td>PENCIL</td><td>150</td><td>10</td><td>NULL</td></tr>
<tr><td>1005</td><td>PEN</td><td>100</td><td>100</td><td>50</td></tr>
<tr><td>1004</td><td>INK</td><td>80</td><td>20</td><td>10</td></tr>
<tr><td>1006</td><td>PENCIL</td><td>70</td><td>80</td><td>0</td></tr>
<tr><td>1008</td><td>ERASER</td><td>40</td><td>10</td><td>NULL</td></tr>
</table>
(i) Write SQL query to display the products whose Pname ends with ‘N’.
(ii) Write the SQL query to display the sale details whose total cost (Quantity * rate) is less than 500.
(iii) Write the SQL query to display the pname, cost and quantity for all products that are getting no discount.
(iv) Write SQL to display total Quantity of different item name (Pname).</td><td>4</td></tr>
</table>

SESSION ENDING PRACTICAL EXAMINATION 2019

SUBJECT: INFORMATICS PRACTICES (065)

Set-10

<table>
<tr><td>Q.1</td><td>i) Write python prog to read a dictionary of Roll nos. and Names and print the name of those whose roll no. entered by user.
ii) Write a python program to create a DataFrame of following table “Zoo” (Q.2) using List.</td><td>4
4</td></tr>
<tr><td>Q.2</td><td>Create the following table Sale and insert the given rows. Write SQL queries & outputs for the following.
Table:Sale
<table>
<tr><th>Billno</th><th>Pname</th><th>Quantity</th><th>Rate</th><th>Discount</th></tr>
<tr><td>1001</td><td>PEN</td><td>100</td><td>50</td><td>NULL</td></tr>
<tr><td>1002</td><td>PENCIL</td><td>150</td><td>10</td><td>NULL</td></tr>
<tr><td>1005</td><td>PEN</td><td>100</td><td>100</td><td>50</td></tr>
<tr><td>1004</td><td>INK</td><td>80</td><td>20</td><td>10</td></tr>
<tr><td>1006</td><td>PENCIL</td><td>70</td><td>80</td><td>20</td></tr>
<tr><td>1008</td><td>ERASER</td><td>40</td><td>10</td><td>15</td></tr>
</table>
(i) Write SQL query to display the products whose Pname starts with ‘P’.
(ii) Write the SQL query to display Pname and rate whose quantity is in range 80 to 100.
(iii) Write the SQL query to display the pname, cost and quantity for all products that are getting some discount.
(iv) Write SQL to display amount (Quantity x Rate) for each items (Pname)</td><td>4</td></tr>
</table>