

**K. J. SOMAIYA INSTITUTE OF MANAGEMENT STUDIES AND RESEARCH,**  
**Vidyavihar (E), Mumbai- 400077**

**Program: PGDM(COMM) – I TRIM. (2019-21 Batch)**  
**Subject: IT for Management**  
**(End Term Examination)**  
**Set 1**

**Maximum Marks: 50**

**Duration: 3 hours**

**Date : 9/10/2019**

**Note:**

1. Solve any 3 question from Q1 to Q4.
2. Q5 is compulsory
3. Please save your work in the folder with the name rollno\_pgib

Q1.	Given the data for the inventory of a super store. Perform the following functions.																												
	A. Sort the products listed in excel worksheet Q1 according to Lead Time in Days and then by ReorderPoint.	[2]																											
	B. Filter all products whose category is Cosmetics.	[2]																											
	C. Highlight all products whose Inventory value is more than \$700.	[3]																											
	D. Find the average unit price of all products which belong to category Groceries.	[3]																											
Q2.	A. Prepare a Gantt chart to represent the completion of tasks given in the excel worksheet Q2.A	[5]																											
	B. Given the revenue generated by different countries for a product of company Amaze. Apply excel functions to find out the revenue generated by Brazil in 2017. Use data given in excel worksheet Q2.B	[5]																											
Q3.	A. Use Pivot Table to display the expenses in the service month Apr-07 and May-07 for each group segment. Use data given in excel worksheet Q3.A	[5]																											
	B. Given the costs and revenues for a Concert, create 3 scenarios as follows:	[5]																											
	<table border="1"> <thead> <tr> <th>Small Venue</th><th>Medium Venue</th><th>Large Venue</th></tr> </thead> <tbody> <tr> <td># seats : 300</td><td># seats : 500</td><td># seats : 700</td></tr> <tr> <td>Venue rental : 500</td><td>Venue rental : 700</td><td>Venue rental : 900</td></tr> <tr> <td>Amplification : 300</td><td>Amplification : 400</td><td>Amplification : 600</td></tr> <tr> <td>Lightning : 250</td><td>Lightning : 350</td><td>Lightning : 450</td></tr> <tr> <td>Ticketing : 200</td><td>Ticketing : 200</td><td>Ticketing : 200</td></tr> <tr> <td>Security : 150</td><td>Security : 250</td><td>Security : 350</td></tr> <tr> <td>Insurance : 100</td><td>Insurance : 300</td><td>Insurance : 500</td></tr> <tr> <td>Price/ticket : 30</td><td>Price/ticket : 50</td><td>Price/ticket : 70</td></tr> </tbody> </table>	Small Venue	Medium Venue	Large Venue	# seats : 300	# seats : 500	# seats : 700	Venue rental : 500	Venue rental : 700	Venue rental : 900	Amplification : 300	Amplification : 400	Amplification : 600	Lightning : 250	Lightning : 350	Lightning : 450	Ticketing : 200	Ticketing : 200	Ticketing : 200	Security : 150	Security : 250	Security : 350	Insurance : 100	Insurance : 300	Insurance : 500	Price/ticket : 30	Price/ticket : 50	Price/ticket : 70	
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	Generate a report to show the difference between the 3 scenarios and the impact on Total Revenue. Use data given in excel worksheet Q3.B.																												
Q4.	A. A company has decided to pass on a new policy. The total number of employees of the company is 5600. To pass the new policy 75% of votes are required in the favor of the policy from the employees. Calculate the no. of votes required to pass the policy using Goal Seek.	[5]																											
	B. Create a macro to format a cell in excel.	[2]																											
	C. Given the dates of audit conducted in the different cities. Find out the city where multiple audits were conducted in the same year. Use excel worksheet Q4.C	[3]																											

Q5.

A. Create the tables Customer, Employee and CustomerService in MS-Access with the following fields, create relationships among the tables and insert data as given below:

[10]

Customer

CustomerID	FirstName	LastName	CompanyName	NumEmployees	DiscountRate	CustomerSince
1	Richard	Rost	Access Learning Zone	2	0.5	2000
2	Joe	Smith	BAC Corp	500	0.1	2004
3	Suzan	Jones	123 Packing	25	0.1	1998
4	Alan	Watson	Forestry Services	16	0	2006
5	Anna	Picore	Pharmacom	3500	0	2007
6	Ronald	Simms	LMNOP Wholesale	30	0	2000
7	Donald	Barker	GamerSkum Inc.	900	0	2008
8	Benny	Sperduti	Euro Real Estate Inc.	10	0.2	1999
9	Peter	Smith	XYZ Corp	1	0.5	2002
10	Barbra	Peters	NEW Corp	1	0	2009

Employee

EmployeeID	FirstName	LastName
1011	John	Sequira
1012	Mary	Joe
1014	Shaun	Cair
1015	Clark	Flair

CustomerService

CustomerID	EmployeeID
1	1011
2	1012
3	1014
4	1015
5	1015
6	1012
7	1011
8	1012
9	1014
10	1015

B. Perform the following queries on the table created:

[10]

i. Search all customers whose first name starts with “A”.

ii. Update the discount rate to 0.5 for the company “BAC Corp”.

iii. Delete customer whose last name is “Jones”.

iv. Display Employee Name who services the with FirstName “Suzan”.

v. Display all customers serviced by Employee “Clark”.

-----End of Paper-----

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**Set 2**

**Maximum Marks: 50**

**Duration: 3 hours**

**9/10/2019**

**Note:**

4. Solve any 3 question from Q1 to Q4.
5. Please save your work in the folder with the name rollno\_pgib

Q1	Given the data for the inventory of a super store. Perform the following functions.																									
	E. Sort the products listed in excel worksheet Q1 according to Available and then by Order Quantity.	[2]																								
	F. Filter all products whose category is Pharmacy.	[2]																								
	G. Highlight all products whose Reorder point is more than 100.	[3]																								
	H. Find the average of Lead Time in Days.	[3]																								
Q2	C. Prepare a combination chart to represent the sales of different quarters in each region. Use the data given in the excel worksheet Q2.A	[5]																								
	D. Given the increase in population by different countries yearly. Apply excel functions to find out the increase in population for Russia in 2015. Use data given in excel worksheet Q2.B	[5]																								
Q3	C. Use Pivot Table to display the average revenue of medium group segment in the service month of Feb-07. Use data given in excel worksheet Q3.A	[5]																								
	D. Given the costs and revenues for Drama Shows, create 3 scenarios as follows:	[5]																								
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Q4	D. A company has decided to sell out its shares to generate revenue. The total share price of the company is worth \$7000000. Calculate the % of shares to be sold using Goal Seek if revenue to be generated is \$84000.	[5]																								
	E. Create a macro to format a cell in excel.	[2]																								
	F. Find the average sales for each Manager. Use excel worksheet Q4.C	[3]																								

Q5	<p>C. Create the tables Employee, Department and Dept_Locations in MS-Access with the following fields, create relationships among the tables and insert data as given below:</p> <p><b>EMPLOYEE</b></p> <table><tr><th>Fname</th><th>Minit</th><th>Lname</th><th><u>Ssn</u></th><th>Bdate</th><th>Address</th><th>Sex</th><th>Salary</th><th>Super_ssn</th><th>Dno</th></tr><tr><td>John</td><td>B</td><td>Smith</td><td>123456789</td><td>1965-01-09</td><td>731 Fondren, Houston, TX</td><td>M</td><td>30000</td><td>333445555</td><td>5</td></tr><tr><td>Franklin</td><td>T</td><td>Wong</td><td>333445555</td><td>1955-12-08</td><td>638 Voss, Houston, TX</td><td>M</td><td>40000</td><td>888665555</td><td>5</td></tr><tr><td>Alicia</td><td>J</td><td>Zelaya</td><td>999887777</td><td>1968-01-19</td><td>3321 Castle, Spring, TX</td><td>F</td><td>25000</td><td>987654321</td><td>4</td></tr><tr><td>Jennifer</td><td>S</td><td>Wallace</td><td>987654321</td><td>1941-06-20</td><td>291 Berry, Bellaire, TX</td><td>F</td><td>43000</td><td>888665555</td><td>4</td></tr><tr><td>Ramesh</td><td>K</td><td>Narayan</td><td>666884444</td><td>1962-09-15</td><td>975 Fire Oak, Humble, TX</td><td>M</td><td>38000</td><td>333445555</td><td>5</td></tr><tr><td>Joyce</td><td>A</td><td>English</td><td>453453453</td><td>1972-07-31</td><td>5631 Rice, Houston, TX</td><td>F</td><td>25000</td><td>333445555</td><td>5</td></tr><tr><td>Ahmad</td><td>V</td><td>Jabbar</td><td>987987987</td><td>1969-03-29</td><td>980 Dallas, Houston, TX</td><td>M</td><td>25000</td><td>987654321</td><td>4</td></tr><tr><td>James</td><td>E</td><td>Borg</td><td>888665555</td><td>1937-11-10</td><td>450 Stone, Houston, TX</td><td>M</td><td>55000</td><td>NULL</td><td>1</td></tr></table> <p><b>DEPARTMENT</b></p> <table><tr><th>Dname</th><th><u>Dnumber</u></th><th>Mgr_ssn</th><th>Mgr_start_date</th></tr><tr><td>Research</td><td>5</td><td>333445555</td><td>1988-05-22</td></tr><tr><td>Administration</td><td>4</td><td>987654321</td><td>1995-01-01</td></tr><tr><td>Headquarters</td><td>1</td><td>888665555</td><td>1981-06-19</td></tr></table> <p><b>DEPT_LOCATIONS</b></p> <table><tr><th><u>Dnumber</u></th><th><u>Dlocation</u></th></tr><tr><td>1</td><td>Houston</td></tr><tr><td>4</td><td>Stafford</td></tr><tr><td>5</td><td>Bellaire</td></tr><tr><td>5</td><td>Sugarland</td></tr><tr><td>5</td><td>Houston</td></tr></table>	Fname	Minit	Lname	<u>Ssn</u>	Bdate	Address	Sex	Salary	Super_ssn	Dno	John	B	Smith	123456789	1965-01-09	731 Fondren, Houston, TX	M	30000	333445555	5	Franklin	T	Wong	333445555	1955-12-08	638 Voss, Houston, TX	M	40000	888665555	5	Alicia	J	Zelaya	999887777	1968-01-19	3321 Castle, Spring, TX	F	25000	987654321	4	Jennifer	S	Wallace	987654321	1941-06-20	291 Berry, Bellaire, TX	F	43000	888665555	4	Ramesh	K	Narayan	666884444	1962-09-15	975 Fire Oak, Humble, TX	M	38000	333445555	5	Joyce	A	English	453453453	1972-07-31	5631 Rice, Houston, TX	F	25000	333445555	5	Ahmad	V	Jabbar	987987987	1969-03-29	980 Dallas, Houston, TX	M	25000	987654321	4	James	E	Borg	888665555	1937-11-10	450 Stone, Houston, TX	M	55000	NULL	1	Dname	<u>Dnumber</u>	Mgr_ssn	Mgr_start_date	Research	5	333445555	1988-05-22	Administration	4	987654321	1995-01-01	Headquarters	1	888665555	1981-06-19	<u>Dnumber</u>	<u>Dlocation</u>	1	Houston	4	Stafford	5	Bellaire	5	Sugarland	5	Houston	[10]
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