

K. J. SOMAIYA INSTITUTE OF MANAGEMENT STUDIES AND RESEARCH

Program: PGDM(RM/Communications) Tri-I (Batch 2016-2018)

Subject: IT In Management
End-Term Examination

Maximum Marks: 50

Duration: 3 hrs

Date: 20th September, 2016

Notes:

1. CREATE a Folder named xx-RM/COMM END-TERM on the Desktop of your computer. (xx would be your 2 digit roll No.)
2. Each EXCEL question should be answered in a new-work-sheet of the same WORKBOOK which should be Saved with File Name in the following format only --- xxRM/COMM-EXCEL -ET in the above folder.
3. The Access files should be saved as xxRM/COMM-ACCESS-ET in the above folder.

Solve any 3 (Three) from Q. 1 to Q. 4

Question 1 (10 Marks)

Create an excel spread sheet with the following details

Disease	Year 2013	Year 2014	Year 2015	Year 2016	Total	Status (Normal/Abnormal)
Diabetes						
Hypertension						
Influenza						
Asthma						
Heart Attacks						

- 1) Enter Data for 4 years.
- 2) Find out the total and average for each disease and each year.
- 3) Display the status as abnormal if total is greater than 3000, otherwise normal for each disease.
- 4) Plot graph for total for each team disease.
- 5) Highlight disease with green color where the count for year 2016 is less than 1000 and Highlight with orange color where the count is between 1000 and 3000 and others with Red Color.

Question 2 (10 Marks – 5 each)

[A]. You see an ad for a used car that you would like to buy. The ad says that the dealer will give anyone a Rs. 100000 trade in on his or her old vehicle. The asking price for the car (before trade-in) is Rs. 800000. They will offer you a 4% interest rate for a 3-year loan. What is the amount you need to finance? Use the PMT function to determine what your monthly payments will be. Copy the work, and then use the Goal Seek tool to determine what the asking price of the car, before trade-in, would have to be to make a monthly payment of Rs. 17000. Show both scenarios in your worksheet.

[B]. Wood Walker is a self-employed furniture maker. He makes three different styles of tables: A, B, and C. Each model of table requires a certain amount of time for the cutting of component parts, for assembling, and for painting. Wood can sell all the units he makes. Model B may be sold without painting. Use the data below to formulate a spreadsheet model that will help Wood determine the product mix that will maximize his profit. [Use Furniture.xlsx]

Question 3 (10 Marks)

[A] simplified production model is given in the worksheet. It contains two input cells: the hourly labor cost (cell B2) and the per unit Material cost (cell B3). The company produces three products, and each product requires a different number of hours and a different amount of materials to produce. Formulas calculate the total profit per product (row 13) and the total combined profit (cell B15). The company management— trying to predict the total profit, but in uncertain situation when the hourly labor cost and material costs will be different. The company has identified three scenarios listed in following Table. Company Production can face the following three Scenarios

Scenario	Hourly Labor Cost	Material Cost
Best Case	30	57
Worst Case	38	62
Most Likely	34	59

As expected, in the **Best Case** scenario the company will have the lowest hourly cost and lowest materials cost. The **Worst Case** scenario will have the highest values for both the Hourly Labor Cost and the Material Cost. The third scenario is the **Most Likely** case. It will have the intermediate values for both of Labor Cost and Material Cost. The company managers must be prepared for the worst case, however, and they will optimize their performance controlling the scenario under the Best Case scenario. [use: production model.xlsx]

Question 4 (10 Marks – 5 each)

[A] The given excel worksheet contains the course and fee details of each year. When a student calls in, the college employee needs to quickly have the respective fee of the course to help the student. The student will provide the batch (year) and course. And worksheet will return the corresponding fee of the college. [Use file: College.xlsx]

[B] The file Footsol.xlsx holds 2016 salaries for the each player. It includes their teams and league.

1. Find the total salaries by each team
2. Find the average salaries by each team
3. Find out maximum salary paid by each team
4. Find out sum of salaries of Goa league.
5. Count the number of players in MH league

Question 5 (20 Marks)

1. Create database with name **INSURANCE**
2. Create Following tables

Table: person		
Driver_id	Text	Should start with 'D'
Name	Text	Should not be NULL
Age	Number	
P_Contact_No	Text	Should not exceed 10 digit
City	Text	

Table: Car		
License_No	Text	Should start with 'L'
Model	Text	
Year	Text	Should not exceed 4 digit

Table: Accident		
Report_Number	Text	Should start with 'R'
Date	Date	
Location	Text	

Table: Owns		
Driver_id	Text	Should start with 'D'
License_No	Text	Should start with 'L'

Table: Participated		
Driver_id	Text	Should start with 'D'
License_No	Text	
Report_Number	Text	Should start with 'R'
Damage_Amount	Currency	

3. Create Relationships
4. Enter 5 rows in each table.

5. Create following queries

1. Display the details of the Person with Driver_id 'L102' .
2. Display the car details for a particular model.
3. Display the details of the car owned by person 'D101'.
4. Display the accident details when report number provided at runtime.
5. Increase the damage amount of the accident having report number R102 by 1000 rupees.
6. Delete the details of car having license_No L110.
7. Display details of accidents occurred before 30st August 2016.
8. Display number of accidents between 01/01/2015 and 31/12/2015.
9. Create a report showing the accident details where damage amount is more than Rs.10,000.
10. Delete person details with id 'D105'

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