

Plot No. 2, Knowledge Park-III, Greater Noida (U.P.) –201306
POST GRADUATE DIPLOMA IN MANAGEMENT (2021-23)
SPECIAL SUPPLEMENTARY EXAMINATIONS (TERM- I)

 Subject Name: **Information Technology for Managers**

 Time: **01.30 hrs**

 Sub. Code: **PG05**

 Max Marks: **40**
INSTRUCTIONS

1. All questions are to be solved using MS-Excel on an individual Computers/LAPTOPS.
2. All students are advised to use Excel 2019 version.
3. The first page (of excel worksheet)
 - Should carry: The Institute's Name, Subject Name, Date, Course & Session (PGDM 2021-23), SEMESTER, Student's Name, ADMISSION NUMBER on top.
 - EACH AND EVERY QUESTION NEEDS TO BE SOLVED ON AN INDIVIDUAL WORKSHEETSHEET.
 - Keep the name of each sheet as respective Question Number
 - SUBMIT ONE SINGLE FILE AS YOUR ANSWER/SOLUTION
4. Students are supposed to save the file using his/her full name and Admission No/Roll Number for example (kapilmohangarg_PGDM22123).
5. Finally, students are supposed to submit the soft copies using a PD. **Each student to carry his/ her own Pen Drive (PD). Sharing of PD for submitting final ANSWER / SOLUTION is not allowed.**
6. If any instructions not properly followed, then it may result into loss of marks.
7. During examination, no student is allowed to use mobile phones in any conditions. In any case, Students are not allowed to use hotspot, browser or whatsapp (or similar apps) on computer system.
8. **USE OF CALCULATOR/MOBILE/SMART WATCH IS NOT ALLOWED.**
9. Note: Any required data not explicitly given, may be suitably assumed and stated

Question ONE is compulsory. Attempt any four questions from the rest [8 Marks x 5=40 Marks]

1. Using the model produced in below, make use of filters to compute the totals and the average of SALARY, TAX, SUPERANN and TAKE HOME fields. These formulae should adjust automatically to accommodate any filtering that is done. On the basis of these formulae compute the following?
 - a. The total and the average TAKEHOME of all FEMALES.
 - b. The total and the average SALARY of all MARRIED MALES.
 - c. The total and the average TAX of all SINGLE FEMALES.
 - d. The total and the average SUPERANN of all MARRIED MALES with a SALARY in excess of 20000. (CO4)

MARSTAT=1=MARRIED, MARSTAT=0=SINGLE							
GENDER=F=FEMALE, SEX=M=MALE (SALARY IN Rs.)							
1	NAME	SALARY	MARSTAT	GENDER	TAX	SUPERANN	TAKEHOME
2	ALLAN	7058	1	M	1765	706	4588
3	ALLEN	43967	0	M	14509	4397	25061
4	BROWN	53531	0	M	17665	5353	30513
5	BROWN	890	1	M	222	89	578
6	BROWN	37085	1	M	9271	3709	24105
7	COOPER	50799	0	F	16764	3810	30226
8	DAVIES	33502	1	F	8375	2513	22614
9	REDMOND	12324	0	F	4067	924	7333
10	REILLY	14765	1	F	3691	1107	9966
11	ROBERTS	35054	1	F	8764	2629	23661
12	SMITH	51378	1	M	12845	5138	33396
13	SMITH	47981	1	F	11995	3599	32387
14	SMITH	56825	0	M	18752	5682	32390
15	STEWART	41444	1	F	10361	3108	27975

2. Create line graph to compare the trends for the three racial/ethnic groups (i.e., White, Black, Hispanic) for the data given below. (CO1)

Year	White	Black	Hispanic
2006	15537	9242	10259
2007	16740	9563	11421
2008	18368	10879	12566
2009	20439	11574	14169
2010	21904	12674	14716
2011	23517	13266	16401
2012	24603	13598	16227
2013	25837	14561	16930
2014	27686	15431	18832
2015	29152	16786	19027

3. Draw a comparative chart for the sales of Music Records as shown below. Also, give critical analysis. (CO2)

Record Sales East Store				
	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
Pop	254	290	298	354
Soul	154	184	254	290
R&B	220	250	187	356
Country	225	280	358	424
Classical	45	62	72	98
Soundtracks	75	125	157	185
Children	26	29	35	56

4. Enter the following information onto Sheet1 (CO3)

Record Sales East Store					
	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Annual Total
Pop	254	290	198	354	
Soul	154	184	154	290	
R&B	290	320	287	456	
Country	345	361	258	524	
Classical	45	52	12	98	
Soundtracks	75	125	157	185	
Children	26	19	15	56	
TOTAL					

Enter the following information onto Sheet2

Record Sales West Store					
	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Annual Total
Pop	154	167	142	245	
Soul	165	124	225	264	
R&B	187	95	254	322	
Country	201	210	342	412	
Classical	12	21	18	54	
Soundtracks	42	34	65	102	
Children	20	16	20	45	

TOTAL					
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Prepare a third consolidated sheet which will pick data from the two sheets.

5. Following data has been recorded regarding online sales of apparels. Calculate
- Two period moving averages
 - Three period moving averages
 - Graph the two average lines along with sales data. (CO3)

S. No	Sales Data
1	48
2	41
3	37
4	32
5	36
6	31
7	43
8	52
9	60
10	48

6. Three categories of expenses are shown. There is another category-Miscellaneous. Calculate miscellaneous. Calculate the percentage of different category of expenses with respect to Total Income(CO2)

Annual Expenses (Current in RS. billion)				
Year	Total Income	General Purpose	Grants	Categorical
2015	53.8	7	4.6	38.2
2016	65.2	9.6	11.5	56.8
2017	82.4	6.8	10	77.9
2018	103.9	6.8	13	77.8
2019	113.6	2.1	13.1	93.2
2020	124	2.3	12.7	106.9

Question Number	COs	Marks Allocated
Q. 1:	CO4	8 Marks
Q. 2:	CO1	8 Marks
Q. 3:	CO2	8 Marks
Q. 4:	CO3	8 Marks
Q. 5:	CO3	8 Marks
Q. 6:	CO2	8 Marks