Plot No. 2, Knowledge Park-III, Greater Noida (U.P.) – 201306

POST GRADUATE DIPLOMA IN MANAGEMENT (2018 - 2020)
MID TERM EXAMINATIONS (TERM - VI)

Subject Name **Business Analytics II**	Time: 01.30 hrs
Sub. Code VACC	Max Marks: 20

Note:

1. Writing anything except Roll Number on question paper will be deemed as an act of indulging in unfair means and action shall be taken as per rules.

2. All questions are compulsory in Section A, B & C. Section A carries 1 Case Study of 8 marks. Section B carries 3 questions of 2 marks each and Section C carries 2 questions of 3 marks each.

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SECTION - A   **04+04 = 08 Marks**
</div>

Question 1: Import the data from the MS-Access file and then create the Pivot Tables

Sum of SALES	Column Labels				
Row Labels	**Q1**	**Q2**	**Q3**	**Q4**	**Grand Total**
BOTTLES	1979933	2132594	2062698	1981953	8157178
ICE CUBES	1986634	1626847	2078332	2171887	7863700
SOFT DRINKS	54403738	1859226	1851952	2014350	60129266
TONIC	2079903	2169993	1889421	2093664	8232981
Grand Total	**60450208**	**7788660**	**7882403**	**8261854**	**84383125**

==**Remarks**==

Import the data from the MS-Access file and then create the Pivot Tables

Row Labels	Sum of SALES	Count of SALES2
Mooby Corp	360024	5
Mr. Sparkle	397387	5
Spacely Sprockets	364359	5
St. Anky Beer	361164	5
Videlectrix	399812	5
Grand Total	**1882746**	**25**

==**Remarks**==

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Only those Channel Partners whose name doesn't start with alphabet 'A' and the sum of sales should be between 360000 and 400000
</div>

SECTION - B   **01×06 = 06 Marks**

Question 2: Data Cleaning with the Formula

BEFORE	After FORMULA	REMARKS
14023	14023	There are unnecessary spaces before the value in A2 cell. You need to change it to the value in B2 (without any spaces)
123456789	123456-789	You need to insert a 'hyphen'' in the seventh place in the string
123-456	123/456	You need to change the hyphen with a 'forward slash' mark
300	91.44	Convert value in A5 (in FEET) to Meters
JOHN SMITH	john smith	Change the upper case text to lower case
254686986	254686986	Clean the text for correct value

SECTION - C   **03×02 = 06 Marks**

Question 3: Data Corrections

Raw Data from the left needs to be Corrected. All BLANKS to be replaced with the "NO DATA" in three to four steps only.

CUSTOMER	REGION	ORDER DATE	SALES	MONTH	YEAR
	NORTH	4/13/2015	$55,815	April	
Widget Corp	NORTH	12/21/2015	$94,908	December	2014
123 Warehousing		2/15/2015	$57,088	February	2014
Smith and Co.	SOUTH	6/28/2015	$63,116	June	2015
ABC Telecom	2015	8/22/2015	$57,650	August	2015
Fake Brothers	WEST	12/31/2015	$90,967	December	2015
Acme, inc.	NORTH	4/13/2015	$55,815	April	2014
Smith and Co.	SOUTH	6/28/2015	NO DATA	June	2015
NO DATA	SOUTH	1/15/2015	$38,281	January	
Foo Bars	SOUTH	1/15/2015	$38,281	January	2015
Smith and Co.	SOUTH	6/28/2015	$63,116	June	2015
ABC Telecom	2015	8/22/2015	$57,650	August	2015
Fake Brothers	WEST	NO DATA	$90,967	December	2015
Acme, inc.	NORTH	4/13/2015	$55,815	April	2014
Smith and Co.	SOUTH	6/28/2015	$63,116	June	2015

Foo Bars	SOUTH	1/15/2015	$38,281	January	2015
NO DATA	SOUTH	1/15/2015	$38,281	January	2015
Acme, inc.	NORTH	4/13/2015	$55,815	April	2014
Smith and Co.	SOUTH		$63,116	June	
Foo Bars	SOUTH	1/15/2015	$38,281		2015
Foo Bars	SOUTH	1/15/2015	$38,281	January	2015
Smith and Co.	SOUTH	6/28/2015	$63,116	June	2015
ABC Telecom	2015	8/22/2015	$57,650	August	2015
Fake Brothers	WEST	12/31/2015	$90,967	December	
Acme, inc.	NORTH	4/13/2015	$55,815	April	2014
Smith and Co.	SOUTH	6/28/2015	$63,116	June	2015
Foo Bars	SOUTH	1/15/2015	$38,281		2015
ABC Telecom	2015		$57,650	August	2015
	WEST	12/31/2015	$90,967	December	2015

Corrected Version

CUSTOMER	REGION	ORDER DATE	SALES	MONTH	YEAR
NO DATA	NORTH	4/13/2015	$55,815	April	NO DATA
Widget Corp	NORTH	12/21/2015	$94,908	December	2014
123 Warehousing	NO DATA	2/15/2015	$57,088	February	2014
Smith and Co.	SOUTH	6/28/2015	$63,116	June	2015
ABC Telecom	2015	8/22/2015	$57,650	August	2015
Fake Brothers	WEST	12/31/2015	$90,967	December	2015
Acme, inc.	NORTH	4/13/2015	$55,815	April	2014
Smith and Co.	SOUTH	6/28/2015	NO DATA	June	2015
NO DATA	SOUTH	1/15/2015	$38,281	January	NO DATA
Foo Bars	SOUTH	1/15/2015	$38,281	January	2015
Smith and Co.	SOUTH	6/28/2015	$63,116	June	2015
ABC Telecom	2015	8/22/2015	$57,650	August	2015
Fake Brothers	WEST	NO DATA	$90,967	December	2015
Acme, inc.	NORTH	4/13/2015	$55,815	April	2014
Smith and Co.	SOUTH	6/28/2015	$63,116	June	2015
Foo Bars	SOUTH	1/15/2015	$38,281	January	2015
NO DATA	SOUTH	1/15/2015	$38,281	January	2015

Acme, inc.	NORTH	4/13/2015	$55,815	April	2014
Smith and Co.	SOUTH	NO DATA	$63,116	June	NO DATA
Foo Bars	SOUTH	1/15/2015	$38,281	NO DATA	2015
Foo Bars	SOUTH	1/15/2015	$38,281	January	2015
Smith and Co.	SOUTH	6/28/2015	$63,116	June	2015
ABC Telecom	2015	8/22/2015	$57,650	August	2015
Fake Brothers	WEST	12/31/2015	$90,967	December	NO DATA
Acme, inc.	NORTH	4/13/2015	$55,815	April	2014
Smith and Co.	SOUTH	6/28/2015	$63,116	June	2015
Foo Bars	SOUTH	1/15/2015	$38,281	NO DATA	2015
ABC Telecom	2015	NO DATA	$57,650	August	2015
NO DATA	WEST	12/31/2015	$90,967	December	2015

Question 4:

	A	B	C	D	E	F	G
1							
2	CUSTOMER	REGION	ORDER DATE	SALES	MONTH	YEAR	Tax
3	Acme, inc.	SOUTH	4/13/2015	$55,815	April	2014	4465.2
4	Widget Corp	SOUTH	12/21/2015	$94,908	December	2014	7592.64
5	123 Warehousing		2/15/2015	$57,088	February	2014	4567.04
6	Demo Company	WEST	5/14/2015	$56,539	May	2014	4523.12
7	Smith and Co.	SOUTH	6/28/2015	$63,116	June	2015	5049.28
8	Foo Bars	SOUTH	1/15/2015	$38,281	January	2015	3062.48
9	ABC Telecom		8/22/2015	$57,650	August	2015	4612
10	Fake Brothers	WEST	12/31/2015	$90,967	December	2015	7277.36
11	ABC Ltd	East	1/15/2015	$48,281	February	2014	3862.48
12							
13	Tax Rate	8%					
14	Revised Rate	12%					
15	REMARKS						
16	Column G represents the Tax on the Sales As per the Tax rate applicable.						
17	Initially tax calculated as per b12. You need to convert the whole calculation as per revised rate.						
18							