

UNIVERSITY OF PETROLEUM & ENERGY STUDIES DEHRADUN

End Term Examination – December, 2019

Program/course: MBA (BA) Subject: Data Visualization Code : DSBA 8001

Semester – III Max. Marks : 100 Duration : 3 Hrs

(Please answer the questions IN CONTEXT)

	SECTION A		
S. No.		Marks	CO
	Answer all the questions:		
Q1.	Describe the output of the following functions:		CO2
	a) ZN([Sales])		
	b) SQRT([Sales])	4X2=8	
	c) LEFT(STR([Postal Code]), 1)		
	d) FIND([Customer Name], "")		
Q2.	Differentiate between the following:		CO2
	a) Worksheet and Dashboard.		
	b) Story and Dashboard	6X2=1	
	c) Dimension and measure	2	
	d) Bar graph and Bullet graph	-	
	e) Histogram and column graph		
	f) Live and extract connection		
	SECTION-B		
Answei	r any four questions		
Q1.	Differentiate between Join and Union with the help of examples.	5	C01
Q2.	Describe the CASE function of Tableau with example.	5	CO1
Q3.	What is the benefit of displaying data in Tabular form ?	5	CO1
Q4.	How different types of objects help in making Dashboard?	5	CO1
Q5.	What are the benefits of scatter plot?	5	CO1

	SECTION-C		
Q1. Describe the f	ollowing filter screen of Tableau:		CO2
a) Filter [Order Date]	×		
Filter Lorder Date)			
Relative dates Ra	Inge of dates Starting date Ending date Special		
Relative dates	10/14/2017 to 10/14/2017		
Years	Quarters Months Weeks Days		
4	O Yesterday O Last 3 C days		
	Today O Next 3 C days		
(C Tomorrow		
Anchor relative to Too	tay Include rull values		
Reset	OK Cancel Apply		
b)			
Filter [Category]	x	2X5=1	
General Wildcard Co	ndition Top	0	
O None			
By field:			
Profit 0	• Sum •		
Range of Values			
Min:	Losd		
Max			
O By formula:			
Reset	OK Cancel Apply		
	c of given below Tableau function:		CO3
a)			
	t Type] WHEN 'Coffee' THEN 'Coffee' WHEN 'Espresso' THEN		
'Coffee' WHEN	l 'Herbal Tea' THEN 'Tea' ELSE 'Tea' END	4+6=1 0	
b)		v	
	nses] <= 49.99 THEN 'Cheap' ELSEIF [Total Expenses] >= 50 and		
	s] < 100 THEN 'Somewhat Expensive' ELSEIF [Total Expenses] >=		

	100 and [Total Expenses] < 150 THEN 'Slightly Expensive' ELSE 'Very Expensive' END		
Q3.	How dashboard can be make interactive using different types of actions?	10	CO3

SECTION-D		
Suggest the name of graph with brief description as per the condition given below:		CO2
 a) Categorical information b) To observe trends c) Various categories of categorical information d) To observe relationships between two variables 	4X2.5=1 0	
Write the interpretation of below given chart/equation: a)		CO2
Segment 2011 2012 2013 2014		
S15,000- Consumer 55,000- S0		
S15,000- Corporate \$5,000- S0 S0	5X4=20	
S15,000- Home Office 별 S10,000- S5,000-		
	Suggest the name of graph with brief description as per the condition given below: a) Categorical information b) To observe trends c) Various categories of categorical information d) To observe relationships between two variables Write the interpretation of below given chart/equation: a) iii Columns YEAR(Order Date) iii Columns Segment submit of the state of the st	Suggest the name of graph with brief description as per the condition given below: 4X2.5=1 a) Categorical information 5 To observe trends b) To observe trends 4X2.5=1 c) Various categories of categorical information 0 d) To observe relationships between two variables 4X2.5=1 Write the interpretation of below given chart/equation: 0 a) Columns VEAR(Order Date) B Columns VEAR(Order Date) 2012 Consumer \$15,000 55,000 Singuest \$15,000 55,000 Singuest \$50,000 55,000 Singuest \$50,000 \$50,000 Singuest \$50,000 <t< td=""></t<>

