

Name:

Enrolment No:



**UNIVERSITY OF PETROLEUM AND ENERGY STUDIES**  
**Online End Semester Examination, December 2020**

**Course: Data Visualization**  
**Program: MBA(BA)**  
**Course code: DSBA 8001**

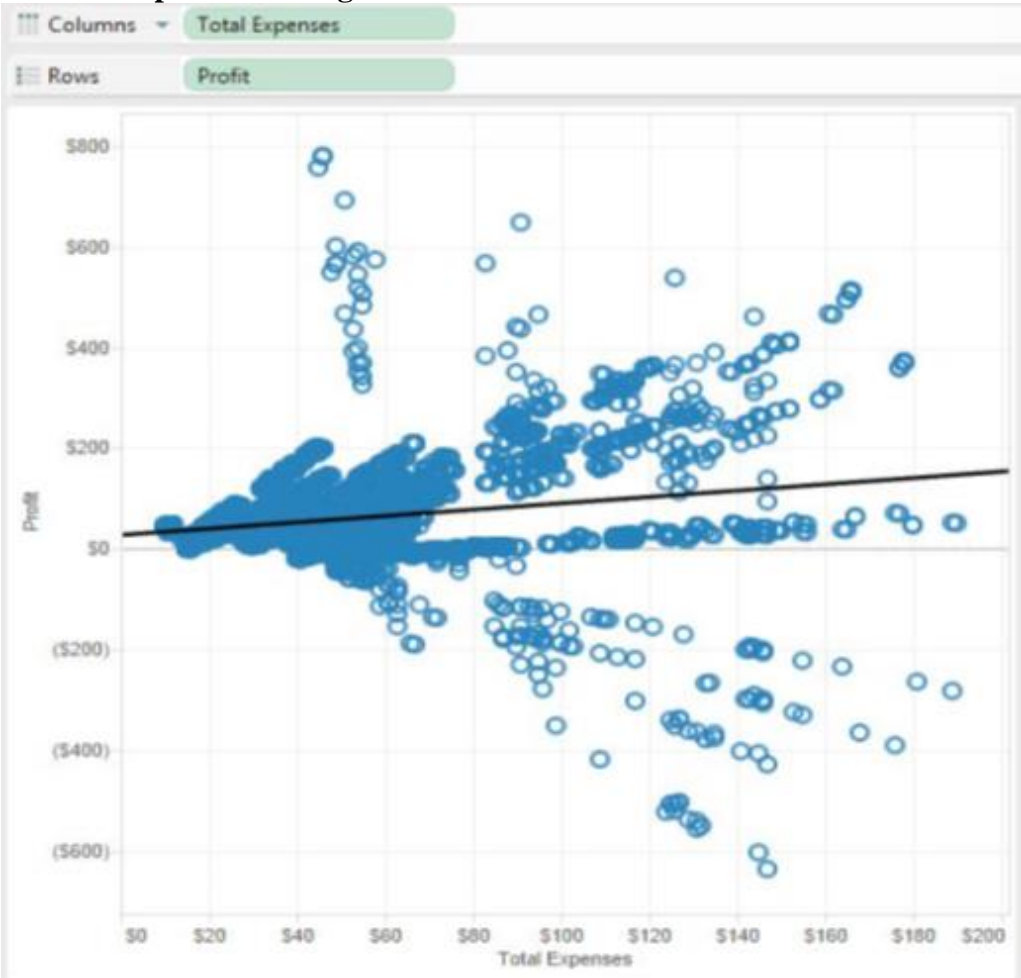
**Semester: III**  
**Time: 03 hrs.**  
**Max. Marks: 100**

**SECTION A**

- 1. Each Question will carry 5 Marks
- 2. Instruction: Select/Write the correct answer(s)

S. No.	Question	CO
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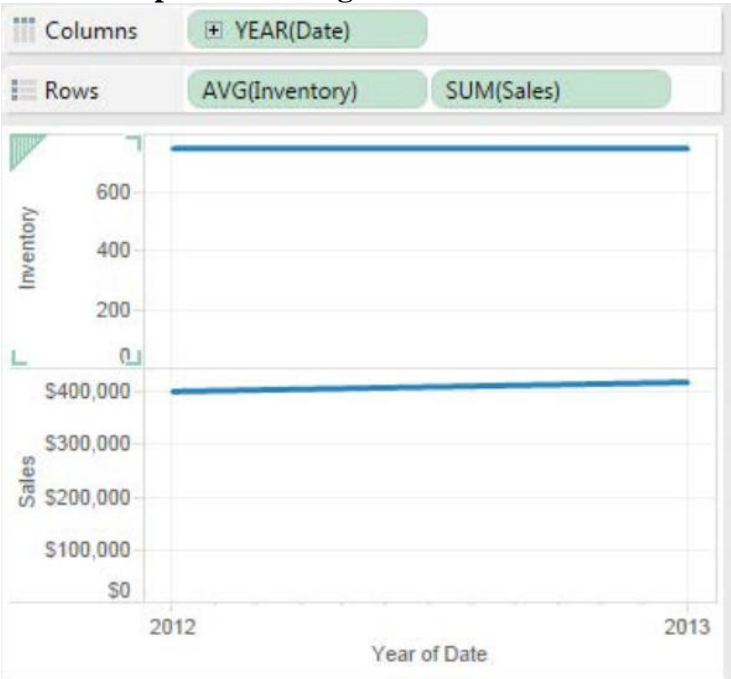
Q1 Write interpretation for given visualization:



CO2

Q2

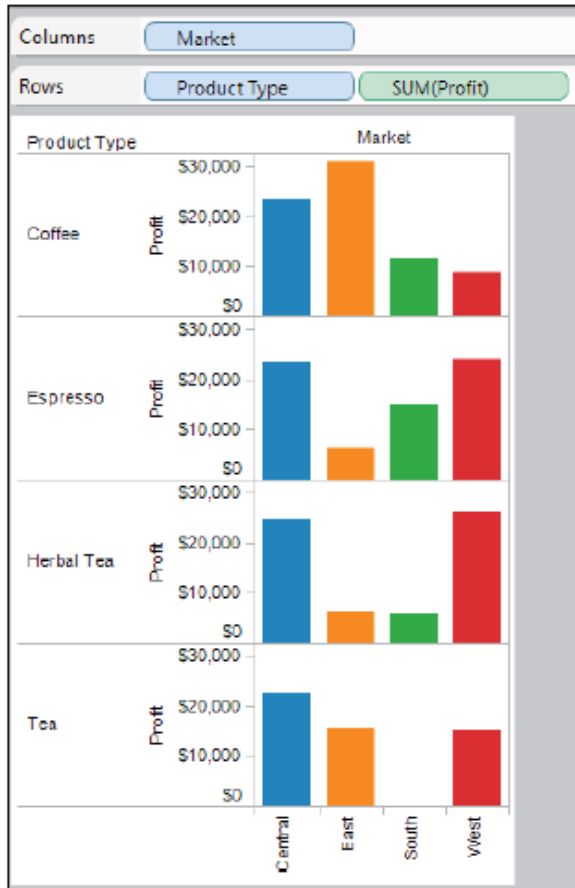
Write interpretation for given visualization:



CO2

Q3

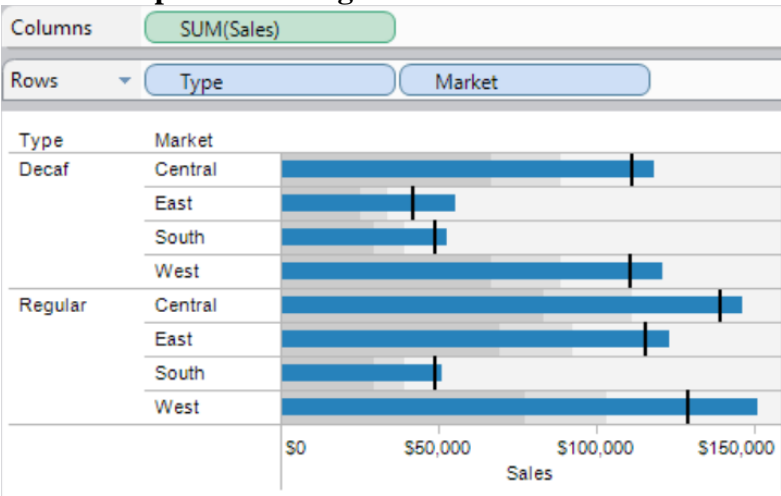
Write interpretation for given visualization:



CO2

Q4

Write interpretation for given visualization:



CO2

Q5

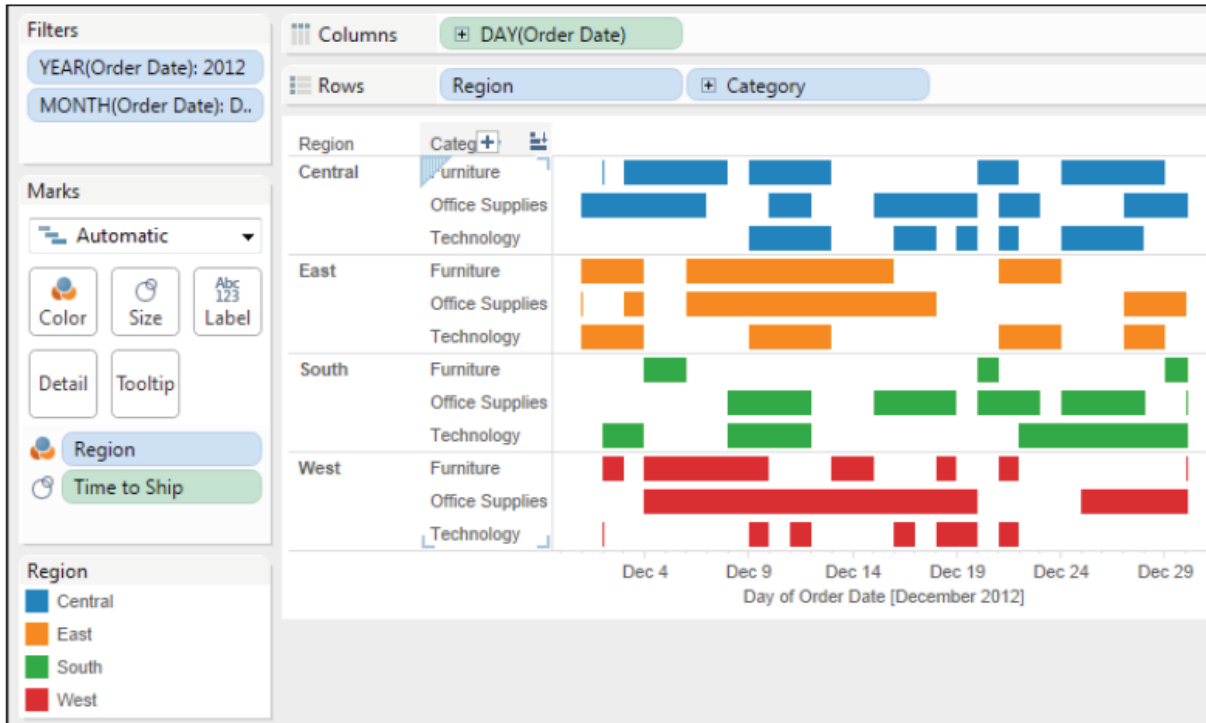
Write interpretation:

$$Profit = 0.628675 * Total Expenses + 27.1093$$

CO2

Q6

Write interpretation for given visualization:

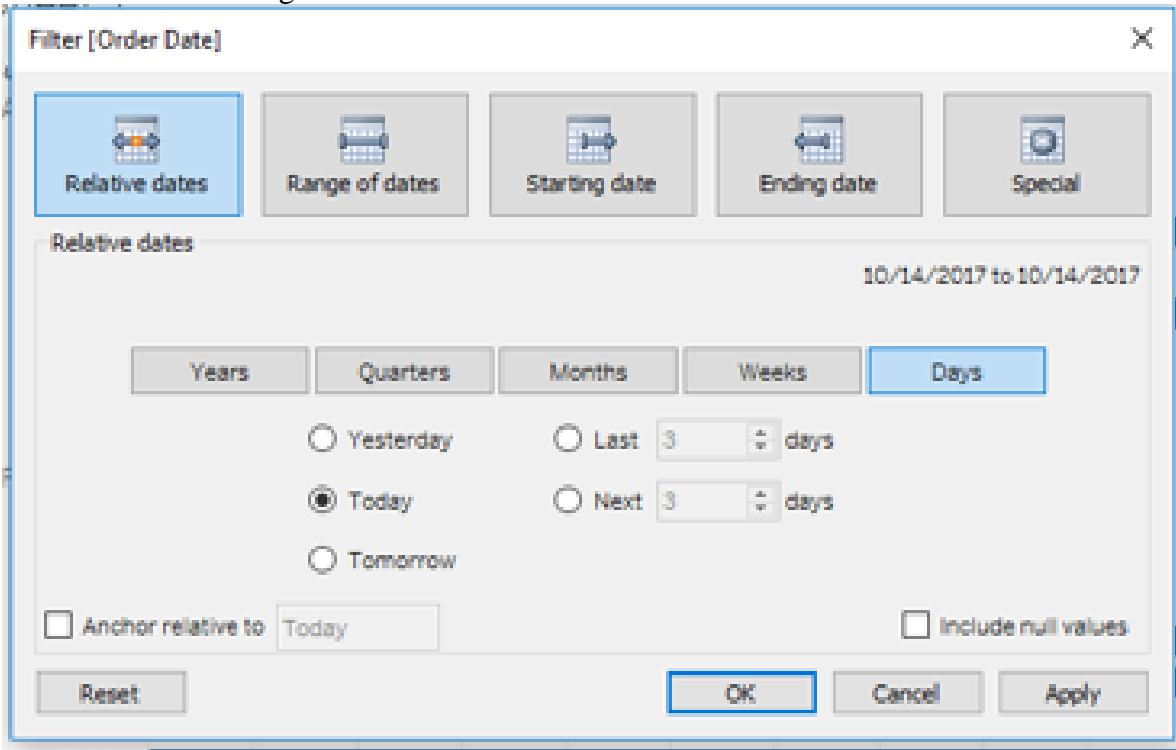


CO2

**SECTION B**

**1. Each question will carry 10 marks**

**2. Instruction: Write short / brief notes**

Q7.	<p>Write the logic of given below Tableau function:</p> <p>a) CASE [Product Type] WHEN 'Coffee' THEN 'Coffee' WHEN 'Espresso' THEN 'Coffee' WHEN 'Herbal Tea' THEN 'Tea' ELSE 'Tea' END</p> <p>b) IF [Total Expenses] &lt;= 49.99 THEN 'Cheap' ELSEIF [Total Expenses] &gt;= 50 and [Total Expenses] &lt; 100 THEN 'Somewhat Expensive' ELSEIF [Total Expenses] &gt;= 100 and [Total Expenses] &lt; 150 THEN 'Slightly Expensive' ELSE 'Very Expensive' END</p>	<b>CO2</b>
Q8.	<p>Describe the following functions of Tableau with example:</p> <p>a) SQRT b) IF c) CASE d) ZN</p>	<b>CO1</b>
Q9.	<p>Describe the following filter screen of Tableau:</p> 	<b>CO2</b>

Q10.

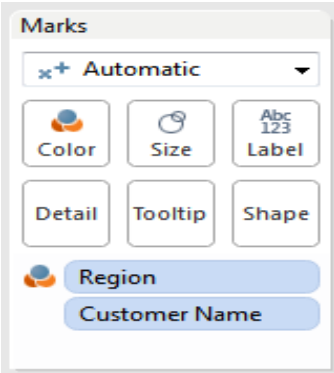
Differentiate between IF and CASE function of Tableau with the help of examples.

CO1

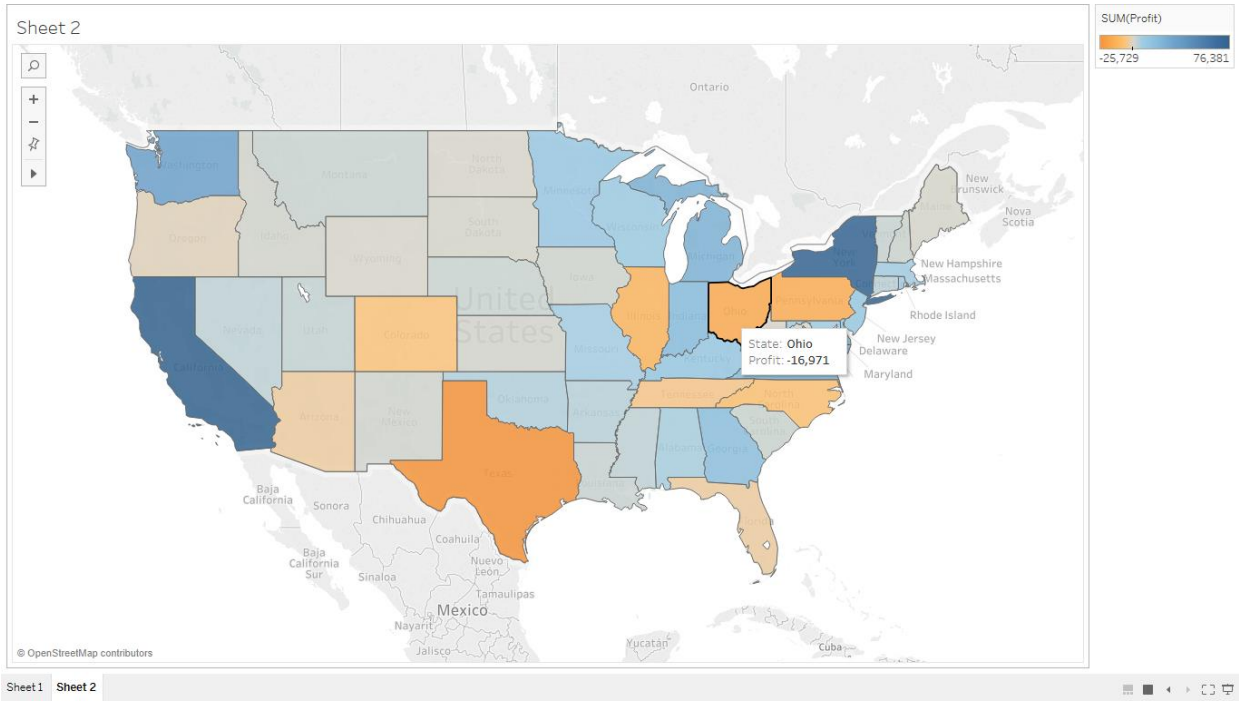
Q11.

A) Describe the different types of marks as shown in below diagram:

CO2



b) Write the interpretation of the below given chart:

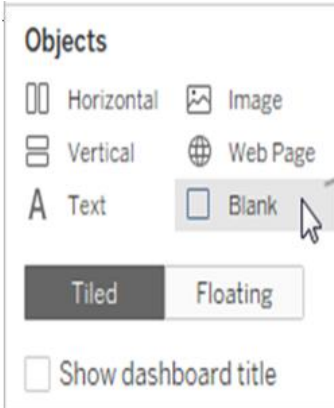


## Section C

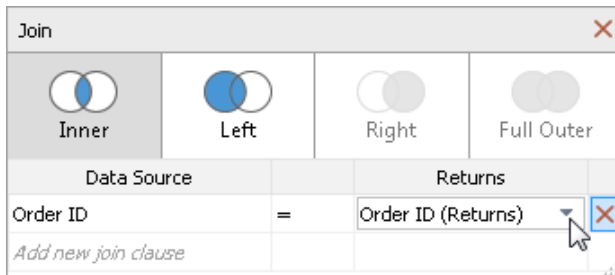
1. Each Question carries 20 (2X10) Marks.

2. Instruction: Write long answer.

Q12. A) Describe the different objects of dashboard as shown in below diagram:



B) Describe the different types of join with the help of two Tables given below:



ID	First Name	Last Name	Publisher Type
20034	Adam	Davis	Independent
20165	Ashley	Garcia	Big
20233	Susan	Nguyen	Small/medium

Book Title	Price	Royalty	ID
Weather in the Alps	19.99	5,000	20165
My Physics	8.99	3,500	20800
The Magic Shoe Lace	15.99	7,000	20034

CO3

