National University of Computer and Emerging Sciences, Lahore Campus

	Course Name:	Enterprise Information System	**Course Code:**	CS 422
	Program:	CS	**Semester:**	Spring 2020
	Duration:	12 Hours	**Total Marks:**	16
	Paper Date:	18 June 2020	**Weight**	5
	Section:	ALL	**Page(s):**	1
	Exam Type:	Take Home Quiz		

**Student : Name:_____ Roll No._____
Section:_____**

Note: Please submit the word document typed answers.

This question tests your understanding of the information needed to trace a sale through a multistep ERP sales cycle: sales order, inventory sourcing, delivery, billing, and payment. Assume that an order has been placed with your company and entered into your ERP system. The following events then take place: (2 x 8)

Question	Answer
The system automatically checks the customer's credit and finds it to be acceptable. The order is recorded for the delivery date requested.	
The system schedules the production of the goods. (There is not enough inventories to ship from stock.)	
The system schedules raw material orders from the vendors to produce the goods ordered.	
The raw materials are received and stored.	
The goods are produced and reserved for shipment to the customer.	
The system schedules the delivery, and an invoice is printed and included with the shipment. The goods are then put on the delivery truck	
Shipping notifies Accounting of the shipment's details.	
A month later, the customer sends in payment, which is recorded in accounting.	

For each of these events, list the information that must be recorded in the common database. You do not need to know how to use a database to do this, nor do you need to understand bookkeeping. For example, for the credit-check step, think about what information is needed to perform a credit check on a given customer.
At each step, did the wealth of the company increase or decrease? At each step, how did the

company's obligations to outside entities change? At each step, how did the obligations of outside entities to the company change? Justify each of your answer in one line or maximum two.

Solution

<div style="color:red">

a. Customer data, sales data
   No change in wealth
   Obligation increased by company to customer
   Obligation increased for customer to pay against order

</div>

<div style="color:red">

b. Sales order data and raw material/inventory data
   No change in wealth
   No change
   No change

</div>

<div style="color:red">

c. Supplier/vendor data, sales order data, raw material data
   No change in wealth
   Obligation increased for company to supplier
   Obligation increased for supplier to company

</div>

<div style="color:red">

d. raw material data
   Wealth increased
   Obligation to vendor/supplier of raw material increased
   No change

</div>

<div style="color:red">

e. Customer data, warehouse data, inventory data
   No change in wealth
   No change
   No change

</div>

<div style="color:red">

f. Customer data, warehouse data, Sales data
   Wealth decreases
   Obligation for company to customer decreases
   No change

</div>

<div style="color:red">

g. Sales data / **Shipment**
   No change
   Obligation for company to shipment company increase
   Obligation for shipment company to company increases

</div>

h. Customer data, sales data
   Wealth increases
   No change
   Obligation for customer to company decreases