Grade	11 ADV	Subject	Term 3- Industrial Automation III ENI634
Name		ID	
Section	01	Date	W1-WS1

Answer all questions

Q1) Fill in the blanks with PLC partners in communication:

PLCs need to communicate to a number of different devices. First, there are devices which are part of the PLC, such as……. Next, are other……., such as motor drives and servo controllers. Communication with some type of operator interface device is also often required, as is Internet connectivity. Finally, PLCs often communicate to …… running various manufacturing related applications.

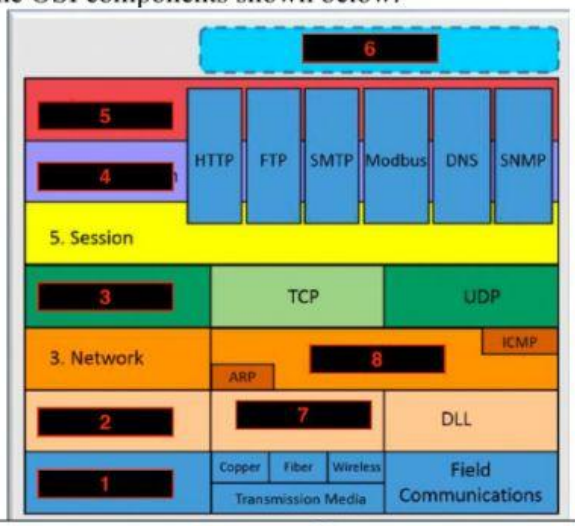
Q2) What are the PLC communication requirements?

1. ……..
2. ……..

Q3) Write a name beside its definition

1. …… physical medium such as the cable, connectors, network interface cards and wireless transmission hardware.
2. …… the medium where all communication devices and components exist.

Q4) Identify the names of the OSI components shown below.



Item #	Name
1	
2	
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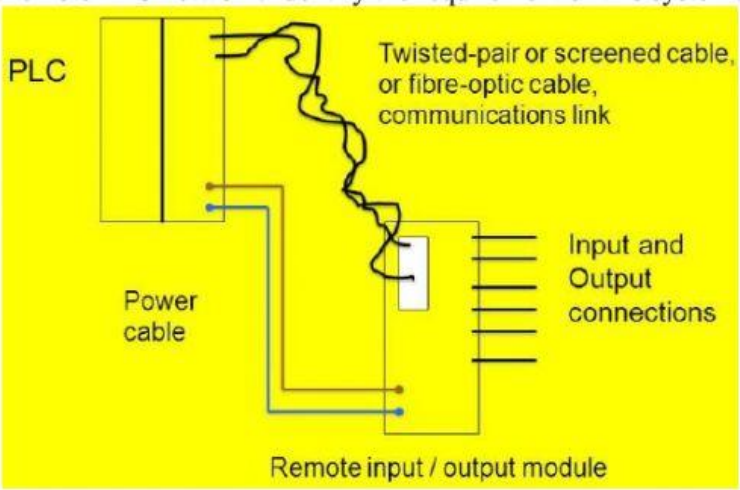
5) What are the network components that are affected by the type of physical layer:

1. ……..
2. ……..
3. ……..
4. ……..
5. ……..
6. ……..
7.

6) The following is a remote PLC network. Identify the requirement of this system?



#	Name
1	
2	
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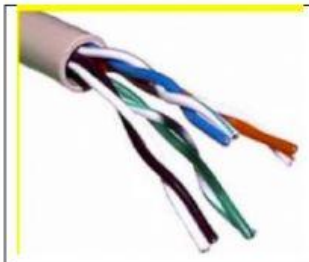
7) Name the following cables.

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