

Investigating Networks

10 Hour - Part 2

Student Workbook

Issue: US680102bIQ0101A

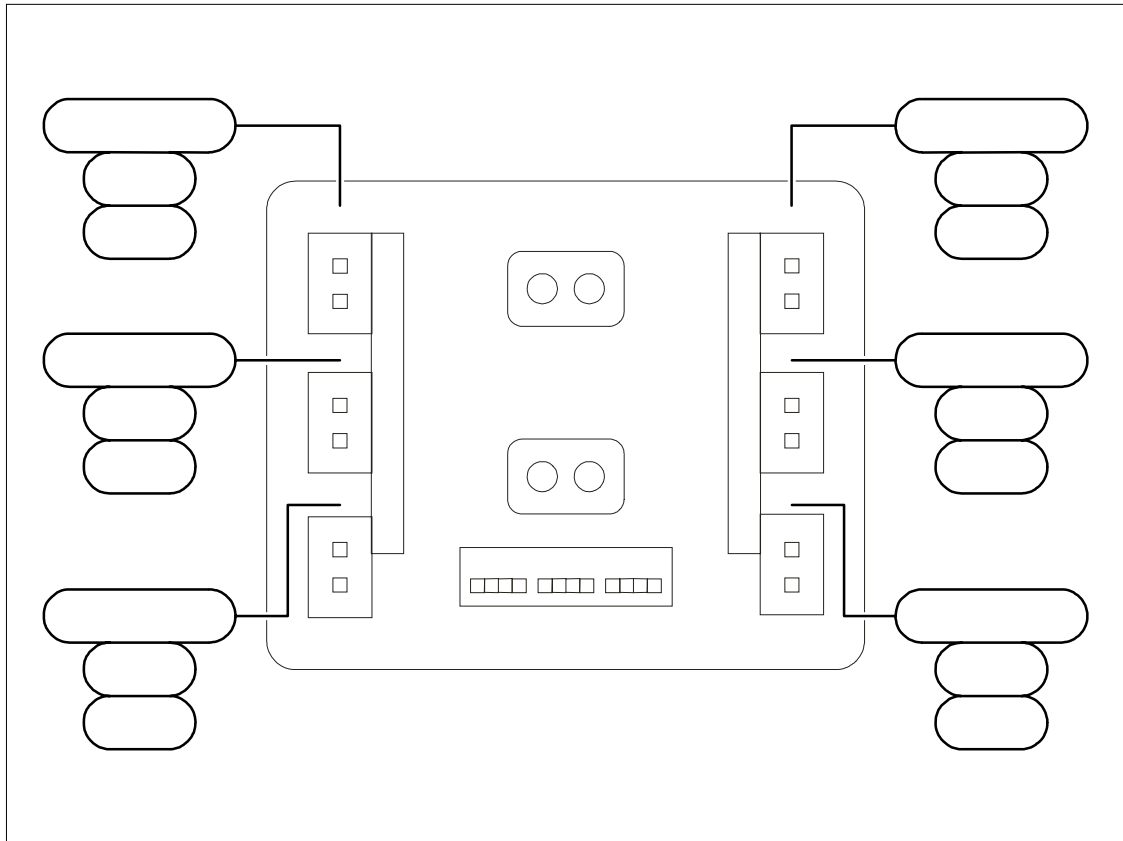


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Lesson Module: 71.68/2
Written by: LJ Technical Dept

Assignment 6 *Pulling Cables*

The diagram shows each wall plate and the patch panel. Identify the wall plate that you are using and write the name of the work area, and, in the correct style, the identification of the two outlets:



Write, in the space provided, the identification of the outlet you are going to use. Draw an arrow to the patch panel outlet you are going to use:

PATCH PANEL

□ □ □ □	□ □ □ □	□ □ □ □
□ □ □ □	□ □ □ □	□ □ □ □

Your outlet identification:

Assignment 7 *Creating the Physical Network*

Complete the sentences in the table by writing a word from the list below:

chemicals signal irregularities light glass shards cables

Using Fiber Optic Cables

	must be precisely aligned.
	is degraded by irregularities.
	must be disposed of properly.
	are removed by polishing.
	is reflected by the internal wall.
	must be handled carefully.

Assignment 8 *Troubleshooting and Safety*

List the eight steps of the troubleshooting process that you examined in this assignment:

1.
2.
3.
4.
5.
6.
7.
8.

Check the appropriate column to indicate that the statement is presented in the software application as an Employee, and/or an Employer obligation:

Health & Safety Rule	Employer Obligation	Employee Obligation
To ensure that all employees comply with Health and Safety legislation and regulations.		
To use the equipment and clothing provided or required.		
Not to engage in horseplay.		
To comply with Health and Safety legislation and regulations.		
Not to use any dangerous equipment or machine.		
To report any dangers in the workplace.		
Not to make any safety device ineffective.		

Assignment 9 Documentation

Provide a simple line diagram of the cable trainer network.

Show: six wall plates two cable trays two conduits patch panel
 twelve wall outlets two work areas

Use alpha-numeric identifiers similar to those that you read about in Task 3. If you wish, you may create your own meaningful labeling scheme and apply it. Add a legend showing the abbreviations and full names of the identifiers you have chosen to use.

Assignment 10 *Installing a Structured Cabling System*

Each of the four statements in the table below is a measure defined in a standard. Write the number of the chart that you think might be included as part of the technical information supporting the standard.

Statement	Chart No.
The maximum length of cable runs.	
The size of equipment rooms and telecommunications closets.	
The performance expected from particular types of cable.	
The fire rating of the materials used.	

For example, if you think that Chart 1 tells you something about the fire rating of materials used, write the number 1 in the space to the right of that statement.

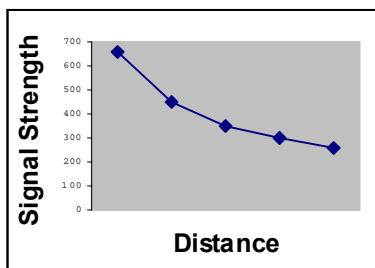


Chart 1

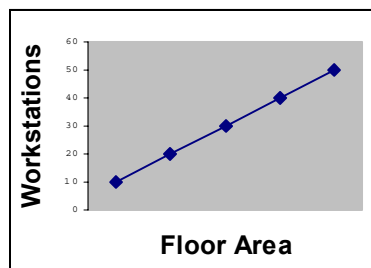


Chart 2

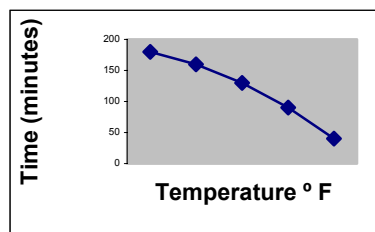


Chart 3

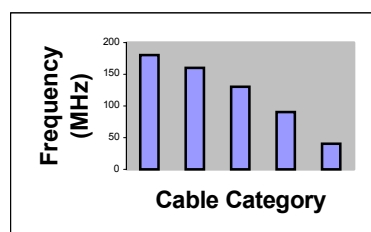


Chart 4

The text below refers to connections beyond work areas, horizontal cabling, and telecommunications closets. Complete the text by filling in the missing words:

Connections have also been made to thethrough thecabling.

The server..... the network, and can provide access to , such as the.....