



## Assignment #2



Question **3**  
Correct  
Mark 1.00 out of 1.00

The measure of the extent to which the system achieves its intended transformation with the minimum use of resources is known as .....

Select one:

- ☒ Efficiency ✓
- ☐ Effectiveness
- ☐ Efficacy

Your answer is correct.  
The correct answer is: Efficiency

Question **4**  
Correct  
Mark 1.00 out of 1.00

The process uses information from the input in a ..... system.

Select one:

- ☐ self-regulated
- ☐ feed-back
- ☒ feed-forward ✓

Your answer is correct.  
The correct answer is: feed-forward

Question **5**  
Correct  
Mark 1.00 out of 1.00

To provide a simple kind of regulation, buffering is used in \_\_\_\_\_ systems.

Select one:

- ☒ open-loop ✓
- ☐ closed-loop
- ☐ self-regulated

Your answer is correct.  
The correct answer is: open-loop

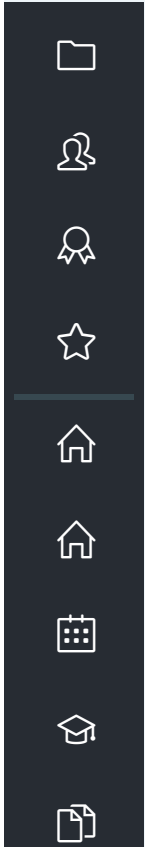
Question **6**  
Correct  
Mark 1.00 out of 1.00

What is the importance (Goal) of using operations research .....

Select one:

- ☐ Use less resources
- ☒ All Choices ✓
- ☐ Make a good decision
- ☐ Solve a problem

Your answer is correct.  
The correct answer is: All Choices



Question **7**

Correct

Mark 1.00 out of 1.00

In the basic terms of cybernetics, a system may be represented by three boxes: .....

Select one:

☐ The black, the grey, and the yellow

☐ The red, the yellow, and the green

☒ The black, the grey, and the white ✓

Your answer is correct.

The correct answer is: The black, the grey, and the white

Question **8**

Correct

Mark 1.00 out of 1.00

Potential Reasons for a Quantitative Analysis Approach to Decision Making is .....

Select one:

☐ The problem is very important

☒ All Choices. ✓

☐ The problem is new

☐ The problem is repetitive

☐ The problem is complex

Your answer is correct.

The correct answer is: All Choices.

Question **9**

Correct

Mark 1.00 out of 1.00

A measure of the extent to which a system achieves its goal is known as .....

Select one:

☒ Effectiveness ✓

☐ Efficiency

☐ Efficacy

Your answer is correct.

The correct answer is: Effectiveness

Question **10**

Correct

Mark 1.00 out of 1.00

Explicitly represent uncertain data via random variables or stochastic processes is .....

Select one:

☐ Open systems

☐ Deterministic models

☒ Stochastic models ✓

Your answer is correct.

The correct answer is: Stochastic models



Question **11**

Correct

Mark 1.00 out of 1.00

..... is a method of mathematically based analysis for providing a quantitative basis for management decisions.

Select one:

☐ System

☒ Operations research ✓

☐ Operating System

Your answer is correct.

The correct answer is: Operations research

Question **12**

Correct

Mark 1.00 out of 1.00

The activities carried out in an organization is .....

Select one:

☐ System

☒ Operations ✓

☐ Research

Your answer is correct.

The correct answer is: Operations

Question **13**

Correct

Mark 1.00 out of 1.00

The process of observation and testing characterized by the scientific method is .....

Select one:

☒ Research ✓

☐ Operations

☐ System

Your answer is correct.

The correct answer is: Research

Question **14**

Correct

Mark 1.00 out of 1.00

Assume all data are known with certainty is .....

Select one:

☐ Stochastic models

☐ Closed Systems

☒ Deterministic models ✓

Your answer is correct.

The correct answer is: Deterministic models

Question **15**  
Correct  
Mark 1.00 out of 1.00

An automatic sprinkler system is an example of ..... system.

Select one:

- ☐ closed-loop
- ☐ self-regulated
- ☒ open-loop ✓

Your answer is correct.  
The correct answer is: open-loop



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