

Systems and Operations Research – Fall Semester – 2021/2022

[Home](#) [My courses](#) [Systems and Operations Research - Fall - 2021/2022](#) [General](#) [Assignment #2](#)


Started on	Wednesday, 8 December 2021, 8:13 PM
State	Finished
Completed on	Wednesday, 8 December 2021, 8:19 PM
Time taken	6 mins 15 secs
Marks	15.00/15.00
Grade	10.00 out of 10.00 (100%)

Quiz navigation

1	2	3	4	5
✓	✓	✓	✓	✓
6	7	8	9	10
✓	✓	✓	✓	✓
11	12	13	14	15
✓	✓	✓	✓	✓

[Show one page at a time](#)

[Finish review](#)

Question 1
Correct
Mark 1.00 out of 1.00
 Flag question


What is the importance (Goal) of using operations research

Select one:

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

Your answer is correct.

The correct answer is: All Choices

Question 2
Correct
Mark 1.00 out of 1.00
 Flag question


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 3
Correct
Mark 1.00 out of 1.00
 Flag question

The activities carried out in an organization is

Select one:

- ☐ Research
- ☒ Operations ✓
- ☐ System

Your answer is correct.

The correct answer is: Operations

Question 4
Correct
Mark 1.00 out of 1.00
Flag question

Internal nursing staff not happy with their schedules hospital using too many external nurses is example for

Select one:

- ☒ The Situation ✓
- ☐ Problem Formulation
- ☐ Goal
- ☐ Data Preparation

Your answer is correct.

The correct answer is: The Situation

Question 5
Correct
Mark 1.00 out of 1.00
Flag question

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

Select one:

- ☐ Efficacy
- ☐ Effectiveness
- ☒ Efficiency ✓

Your answer is correct.

The correct answer is: Efficiency

Question 6
Correct
Mark 1.00 out of 1.00
Flag question

Potential Reasons for a Quantitative Analysis Approach to Decision Making is

Select one:

- ☐ The problem is very important
- ☐ The problem is repetitive
- ☐ The problem is new
- ☒ All Choices. ✓
- ☐ The problem is complex

Your answer is correct.

The correct answer is: All Choices.

Question 7
Correct
Mark 1.00 out of 1.00
Flag question

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

Question 8
Correct
Mark 1.00 out of 1.00
Flag question

Assume all data are known with certainty is

Select one:

- ☐ Closed Systems

- ☒ Deterministic models ✓
- ☐ Stochastic models

Your answer is correct.

The correct answer is: Deterministic models

Question 9

Correct

Mark 1.00 out of 1.00

Flag question

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

Select one:

- ☐ System
- ☒ Research ✓
- ☐ Operations

Your answer is correct.

The correct answer is: Research

Question 10

Correct

Mark 1.00 out of 1.00

Flag question

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

Select one:

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

Your answer is correct.

The correct answer is: open-loop

Question 11

Correct

Mark 1.00 out of 1.00

Flag question

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

Select one:

- ☒ The black, the grey, and the white ✓
- ☐ The red, the yellow, and the green
- ☐ The black, the grey, and the yellow

Your answer is correct.

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

Question 12

Correct

Mark 1.00 out of 1.00

Flag question

The process uses information from the input in a system.

Select one:

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

Your answer is correct.

The correct answer is: feed-forward

Question 13

Correct

Mark 1.00 out of 1.00

Flag question

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

Select one:

- ☐ System
- ☐ Operating System
- ☒ Operations research ✓

Your answer is correct.

The correct answer is: Operations research

Question 14

Correct

Mark 1.00 out of 1.00

Flag question

..... occurs when the scope of the project increases

Select one:

- ☐ Project scope
- ☐ Feature creep
- ☐ Project scope document
- ☒ Scope creep ✓

Your answer is correct.

The correct answer is: Scope creep

Question 15

Correct

Mark 1.00 out of 1.00

Flag question

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

Select one:

- ☐ Efficiency
- ☐ Efficacy
- ☒ Effectiveness ✓

Your answer is correct.

The correct answer is: Effectiveness

[Finish review](#)

Learn Any Time, Any Where
Hotline: 16541

