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Started on	Saturday, 27 November 2021, 12:51 AM
State	Finished
Completed on	Saturday, 27 November 2021, 12:53 AM
Time taken	2 mins 23 secs
Marks	15.00/15.00
Grade	**10.00** out of 10.00 (**100**%)

Question 1
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 2
Correct
Mark 1.00 out of 1.00

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 3
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:
- ○ Operations research ✔
- ○ System
- ○ Operating System

Your answer is correct.

The correct answer is: Operations research

Question 4
Correct
Mark 1.00 out of 1.00

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

Select one:
- ○ All Choices ✔
- ○ Make a good decision
- ○ Solve a problem
- ○ Use less resources

Your answer is correct.

The correct answer is: All Choices

Question 5
Correct
Mark 1.00 out of 1.00

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

Select one:
- ○ Research
- ○ Operations ✔
- ○ System

Your answer is correct.
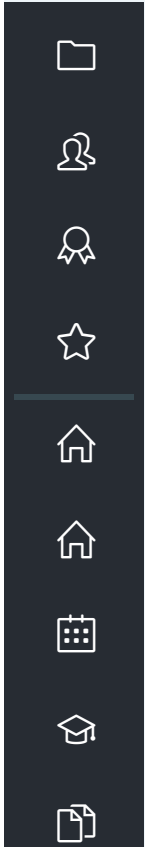
The correct answer is: Operations

Question 6
Correct
Mark 1.00 out of 1.00

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

Select one:
- ○ open-loop ✔
- ○ self-regulated
- ○ closed-loop

Your answer is correct.

The correct answer is: open-loop

Question 7
Correct
Mark 1.00 out of 1.00

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

Select one:
- ○ self-regulated
- ● open-loop ✔
- ○ closed-loop

Your answer is correct.

The correct answer is: open-loop

Question 8
Correct
Mark 1.00 out of 1.00

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

Select one:
- ● Stochastic models ✔
- ○ Open systems
- ○ Deterministic models

Your answer is correct.

The correct answer is: Stochastic models

Question 9
Correct
Mark 1.00 out of 1.00

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

Select one:
- ○ Problem Formulation
- ○ Goal
- ○ Data Preparation
- ● The Situation ✔

Your answer is correct.

The correct answer is: The Situation

Question 10
Correct
Mark 1.00 out of 1.00

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

Select one:
- ○ self-regulated
- ● feed-forward ✔
- ○ feed-back

Your answer is correct.

The correct answer is: feed-forward

Question 11

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:

○ Efficacy

○ Efficiency

◉ Effectiveness ✔

Your answer is correct.

The correct answer is: Effectiveness

Question 12

Correct

Mark 1.00 out of 1.00

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

Select one:

○ Stochastic models

◉ Deterministic models ✔

○ Closed Systems

Your answer is correct.

The correct answer is: Deterministic models

Question 13

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:

○ Effectiveness

○ Efficacy

◉ Efficiency ✔

Your answer is correct.

The correct answer is: Efficiency

Question 14

Correct

Mark 1.00 out of 1.00

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

Select one:

○ Feature creep

○ *Project scope*

○ 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

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

Select one:

○ The problem is repetitive

○ The problem is complex

◉ All Choices. ✔

○ The problem is very important

○ The problem is new

Your answer is correct.

The correct answer is: All Choices.

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