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State	Finished
Completed on	Saturday, 27 November 2021, 12:53 AM
Time taken	10 mins 8 secs
Marks	23.00/23.00
Grade	10.00 out of 10.00 (100%)

Question 1
Correct
Mark 1.00 out of 1.00

Closed-loop systems are

Select one:

- ☒ self-regulated ✓
- ☐ not-regulated
- ☐ servo-regulate

Your answer is correct.
The correct answer is: self-regulated

Question 2
Correct
Mark 1.00 out of 1.00

In the basic terms of cybernetics, a system may be represented by three boxes. Box color denotes different degrees of user interest in the understanding of the internal working process of a system. Cold shower" can be represented as

Select one:

- ☒ A black box ✓
- ☐ A grey box
- ☐ A white box

Your answer is correct.
The correct answer is: A black box

Question **3**

Correct

Mark 1.00 out of 1.00

_____ is a process that uses information from the output.

Select one:

☒ Feedback ✓

☐ Quasi-static

☐ Feed-forward

Your answer is correct.

The correct answer is: Feedback

Question **4**

Correct

Mark 1.00 out of 1.00

..... involves determining a solid plan for developing your information system

Select one:

☒ Planning phase ✓

☐ Development phase

☐ Analysis phase

☐ Design phase

Your answer is correct.

The correct answer is: Planning phase

Question **5**

Correct

Mark 1.00 out of 1.00

In planning phase:

Select one:

☐ Define the system to be developed

☐ Set the project scope

☒ All Choics ✓

☐ Develop the project plan

Your answer is correct.

The correct answer is: All Choics

Question **6**

Correct

Mark 1.00 out of 1.00

Build databases and programs in development phase.

Select one:

☒ True ✓

☐ False

The correct answer is 'True'.



Question **7**

Correct

Mark 1.00 out of 1.00

Maximize individual nurse preferences subject to demand requirements is example for

Select one:

☒ Problem Formulation ✓

☐ Goal

☐ Data Preparation

☐ The Situation

Your answer is correct.

The correct answer is: Problem Formulation

Question **8**

Correct

Mark 1.00 out of 1.00

In the basic terms of cybernetics, a system may be represented by three boxes. Box color denotes different degrees of user interest in the understanding of the internal working process of a system. „visit nurse for treatment“ can be represented as

Select one:

☒ A grey box ✓

☐ A black box

☐ A white box

Your answer is correct.

The correct answer is: A grey box

Question **9**

Correct

Mark 1.00 out of 1.00

Evaluate the results is one of decision making steps.

Select one:

☒ True ✓

☐ False

The correct answer is 'True'.

Question **10**

Correct

Mark 1.00 out of 1.00

Identify and define the problem is one of Decision Making steps.

Select one:

☒ True ✓

☐ False

The correct answer is 'True'.



Question **11**

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 ✓

☐ Efficacy

☐ Effectiveness

Your answer is correct.

The correct answer is: Efficiency

Question **12**

Correct

Mark 1.00 out of 1.00

A measure of the extent to which the system contributes to the purposes of a higher-level system of which it may be a subsystem is known as

Select one:

☐ Effectiveness

☐ Efficiency

☒ Efficacy ✓

Your answer is correct.

The correct answer is: Efficacy

Question **13**

Correct

Mark 1.00 out of 1.00

Stochastic models involve optimization.

Select one:

☐ True

☒ False ✓

The correct answer is 'False'.

Question **14**

Correct

Mark 1.00 out of 1.00

Are representations of real objects or situations.....

Select one:

☒ Models ✓

☐ Design

☐ Painting

Your answer is correct.

The correct answer is: Models



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

Write user documentation in implementation phase.

Select one:

- ☒ True ✓
- ☐ False

The correct answer is 'True'.

Question **16**
Correct
Mark 1.00 out of 1.00

In the basic terms of cybernetics, a system may be represented by three boxes. Box color denotes different degrees of user interest in the understanding of the internal working process of a system. „hospitalize for intensive treatment" can be represented as

Select one:

- ☒ A white box ✓
- ☐ A grey box
- ☐ A black box

Your answer is correct.
The correct answer is: A white box

Question **17**
Correct
Mark 1.00 out of 1.00

Build a help desk in Maintenance phase

Select one:

- ☒ True ✓
- ☐ False

The correct answer is 'True'.

Question **18**
Correct
Mark 1.00 out of 1.00

Internal parameters of the system which determine the relationship between input and output are known as

Select one:

- ☒ The set of states ✓
- ☐ State-transition function
- ☐ Input-output trajectories

Your answer is correct.
The correct answer is: The set of states



Question **19**
Correct
Mark 1.00 out of 1.00

A system in which an output is not connected to its input is known as _____ system.

Select one:

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

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

Question **20**
Correct
Mark 1.00 out of 1.00

_____ describes how the state changes when various inputs are fed into the system.

Select one:

- ☐ Input-output trajectories
- ☒ State-transition function ✓
- ☐ The set of states

Your answer is correct.
The correct answer is: State-transition function

Question **21**
Correct
Mark 1.00 out of 1.00

Define relationships between individual nurse assignments and preference violations; define tradeoffs between the use of internal and external nursing resources. is example for

Select one:

- ☒ Constructing a Model ✓
- ☐ The Situation
- ☐ Data Preparation
- ☐ Problem Formulation

Your answer is correct.
The correct answer is: Constructing a Model

Question **22**
Correct
Mark 1.00 out of 1.00

Unit testing verifies that the units of code function correctly when integrated.

Select one:

- ☐ True
- ☒ False ✓

The correct answer is 'False'.

Question **23**
Correct
Mark 1.00 out of 1.00

Linear Programming is deterministic model.

Select one:

- ☒ True ✓
- ☐ False

The correct answer is 'True'.



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