

1. List at least 3 important features of smart grid.

- 1.
- 2.
- 3.
- 4.

2. Assign the Domain from the left column to the corresponding essential system.

Distribution
management
systems

Trading system

Demand and
production
(generation)
flexibility systems

Aggregated prosumers
management system

Marketplace
system

Device remote
Management system

Administration
systems

Advanced Distribution
Management System
(ADMS)

3. List 3 microgrid topologies based different types of sources.

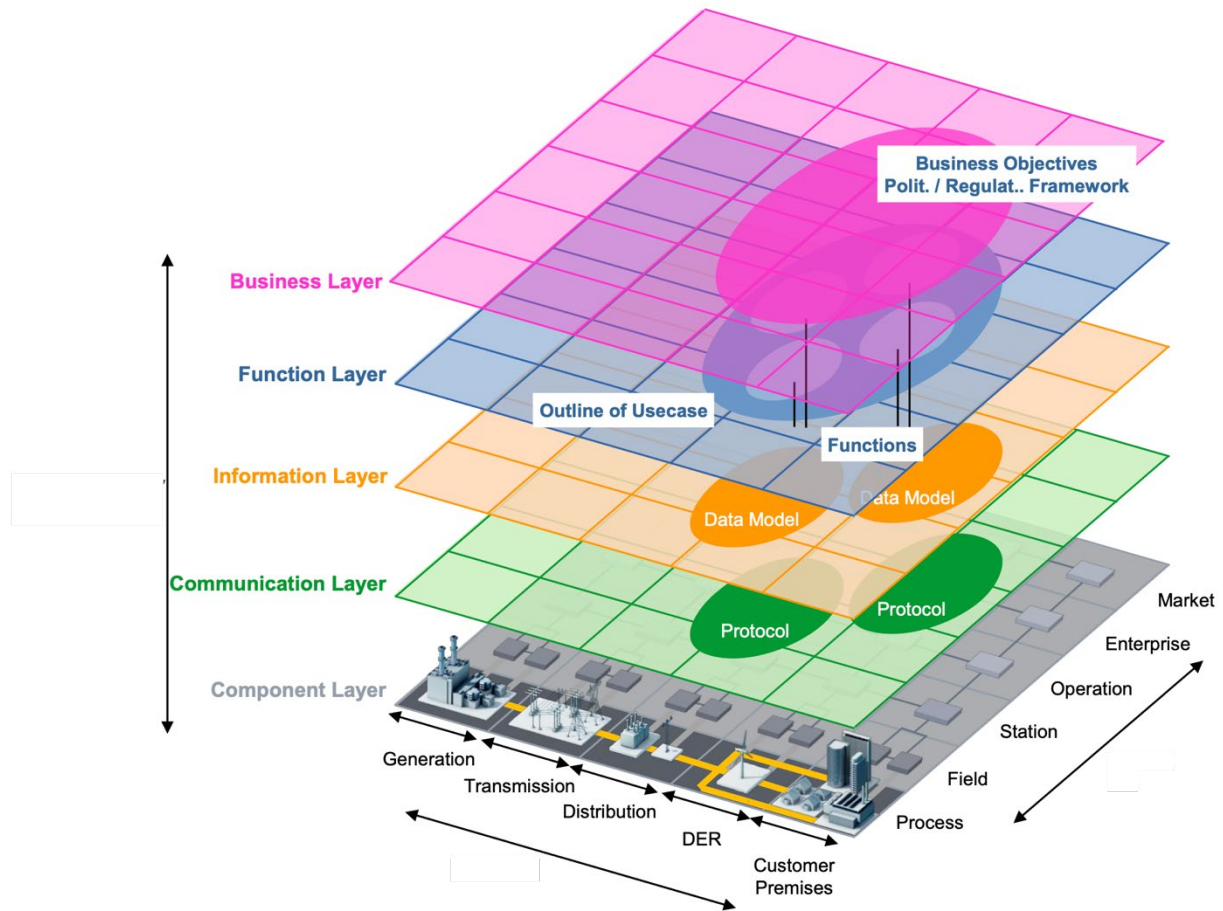
- 1.
- 2.
- 3.

4. List 2 modes of operation of microgrid

- 1.
- 2.



5. Choose correct names for 3 axis of SGAM model



6. Correct the text so that the following statements are true

$\left(\begin{array}{l} \text{Primary control} \\ \text{Secondary control} \\ \text{Tertiary control} \end{array} \right)$ has slowest reaction time (minutes to hours). Often involves

prediction of weather, tariffs, loads and aims to achieve economic savings.

$\left(\begin{array}{l} \text{Primary control} \\ \text{Secondary control} \\ \text{Tertiary control} \end{array} \right)$ copes with instant power sharing control and current/voltage

regulations.

$\left(\begin{array}{l} \text{Primary control} \\ \text{Secondary control} \\ \text{Tertiary control} \end{array} \right)$ has slower reaction time (seconds to minutes), deals with the

voltage compensation and balancing, power quality requirements.