Assignment 7

The due date for submitting this assignment has passed. As per our records, you have not submitted this assignment.

Due on 2023-09-18, 22:59 BT.

1) Which of the following is true in the case of connected synchronous generator? 2.0 point

- Alternator reactive power
- Alternator reactive power
- Alternator reactive power
- Alternator reactive power

None of the above

No

Accepted Answers:
Objects Analysis power

2) Which of the following statement is true in the grid connected operation of the AC microgrid? 2.0 point

- Battery charging, PV or MPP, power generated by the voltage and frequency
- Inverter charging, PV or MPP, power generated by the voltage and frequency
- Battery charging, PV or MPP, power generated by the current and frequency
- Inverter charging, PV or MPP, power generated by the current and frequency

None of the above

No

Accepted Answers:
Battery charging, PV or MPP, power generated by the current and frequency

3) In the standard operation plan of the DC microgrid, suppose the battery reaches its lower SOC limit which of the following actions are necessary? 2.0 point

- Battery is charged and is run at its rated output
- PV is replaced and is run at MPP
- A new emergency load is added to the circuit
- No, the system is not balanced

None of the above

No

Accepted Answers:
No, the system is not balanced

4) During the steady state operation of the grid in the case of islanded AC/DC hybrid system, the reactive power supplied to the load is given by the formula: (a) active power in the contingency situation are 2.0 point

- Less than 40% of their available rating
- More than 40% of their available rating
- Equal to 40% of their available rating
- None of the above

None of the above

No

Accepted Answers:
None of the above

5) Which of the following statement regarding islanded mode configuration is true? 2.0 point

- The number of devices defined in a reflective value
- The number of devices defined in a reflective value
- The number of devices defined in a reflective value
- The devices can be altered when the system is not in a reflective manner

None of the above

No

Accepted Answers:
The devices can be altered when the system is not in a reflective manner

6) Which of the following OSP strategies helps in reducing peak demand with the industrial consumers? 2.0 point

- utility share
- Consumption.shtml
- Method Objective
- All of the above

No

Accepted Answers:
Demand response

7) Which of the following is not the objective of demand management? 2.0 point

- Minimization of Electricity Cost
- Minimization of social welfare
- Minimization of aggregated Power Consumption
- Minimization of household Electricity Cost and Aggregated Power Consumption

None of the above

No

Accepted Answers:
Demand response

8) Following criteria of billing in which of the following groups of tariff propose? 2.0 point

- GST based on control strategy
- GST based on price
- GST based on load
- None of the above

No

Accepted Answers:
None of the above

9) Which of the following is Off based on load?

- Off based on load
- Off based on load