WEEK 0 - Assessment

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

Due on 2018-08-01, 23:59 IST.

1) What terminology is used to used for cost of solar energy system installation?
   - cost per sq. ft.
   - cost per (kW/m^2)
   - cost per watt
   - cost per kWh

   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   cost per watt

2) Which country has most solar power wattage in the world?
   - Russia
   - China
   - India
   - USA

   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   China

3) Average lifespan of solar cell panels is
   - 20-30 years
   - 0-5 years

   Score: 0
4) What is the equivalent circuit of an ideal photovoltaic cell?  
- Voltage source in series with a diode
- Current source in series with a diode
- Voltage source with an antiparallel diode
- Current source in parallel with a diode

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
Current source in parallel with a diode

5) Among the following, which is not a variant of photovoltaic cell?  
- Molten-carbonate panels
- Thin film panels
- Mono-crystalline panels
- Poly-crystalline panels

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
Molten-carbonate panels

6) Which of the following will have inbuilt body diode?  
- MOSFET
- IGBT
- SCR
- GTO

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
MOSFET

7) Efficiency of a solar cell will be about -------  
- 15%
- 30%
- 60%
- 80%

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
15%

8) Materials used for the making of solar cells is ----  
- Germanium
- Silicon
- Aluminium
- Copper
9) Which of the following is true about batteries?  

- They have lower energy densities and lower power densities  
- They have lower energy densities but higher power densities  
- They have higher energy densities but lower power densities  
- They have higher energy densities and higher power densities

No, the answer is incorrect.  
Score: 0  
Accepted Answers:  
Silicon

10) Which of the following is true?  

- Two current source can be connected in series.  
- Two voltage source can be connected in series.  
- Both (a) & (b).  
- None of the these.

No, the answer is incorrect.  
Score: 0  
Accepted Answers:  
Two voltage source can be connected in series.

11) Which of the following is true?  

- Two current source can be connected in parallel.  
- Two voltage source can be connected in parallel.  
- Both (a) & (b)  
- None of the above.

No, the answer is incorrect.  
Score: 0  
Accepted Answers:  
Two current source can be connected in parallel.

12) MOSFET is a ________ terminal device.  

- Two  
- Three  
- Four  
- None of the these

No, the answer is incorrect.  
Score: 0  
Accepted Answers:  
Three

13) Which of the following is true?  

- They have lower energy densities and lower power densities  
- They have lower energy densities but higher power densities  
- They have higher energy densities but lower power densities  
- They have higher energy densities and higher power densities

No, the answer is incorrect.  
Score: 0  
Accepted Answers:  
They have higher energy densities but lower power densities
Inductor offers infinite impedance to DC source
- Capacitor offers zero impedance to DC source
- Both (a) & (b)
- None of the These

No, the answer is incorrect.
Score: 0
Accepted Answers:
None of the These

14) It is not recommended to connect PV directly to a load because
- Poor voltage regulation
- Since PV is a current source
- Since PV is a voltage source
- None

No, the answer is incorrect.
Score: 0
Accepted Answers:
Poor voltage regulation

15) Series diode are used in a PV panel for
- Blocking reverse current
- To handle shading effect
- To track maximum power
- None of these

No, the answer is incorrect.
Score: 0
Accepted Answers:
Blocking reverse current