

26-09-2021

Solar DC Cooking System**Question: Consider the following statements:**

1. It is a solar powered cooking system consisting of Solar PV Panel, Charge Controller, Battery-Bank and Cooking Oven.
2. Widespread use of solar DC cooking system can also play an important role in achieving the target of 200 GW of solar power and saving about 290 million tonnes of carbon dioxide emissions.
3. The CMERI is an institute under the Council of Scientific and Industrial Research (CSIR).

Which of the above statement(s) is/are true?

- (A) 01 and 02 (B) 02 and 03
(C) 01 and 03 (D) all of the above

Answer:- (D) All of the above

Role:- Recently Solar DC cooking technology was developed by Central Mechanical Engineering Research Institute (CMERI).

Exam Useful Points:-

- The CMERI is an institute under the Council of Scientific and Industrial Research (CSIR).
- It is a solar powered cooking system consisting of solar PV panel, charge controller, battery bank and cooking oven.
- This technology provides a clean cooking environment, inverter-less direct operation, fast and uniform heating and the ability to prevent 1 tonne of carbon dioxide emissions per year/family.
- The widespread use of solar DC cooking systems is also playing an important role in achieving the target of 200 GW of solar power and saving about 290 million tonnes of carbon dioxide emissions.
- With the widespread popularity of this technology, more job opportunities are likely to be created.

- Its price will be between 65 thousand to 70 thousand rupees and if government subsidy is provided, the price of the product will come down significantly.
- Having simple technology design makes it easy to develop, and thus also provides substantial economic opportunities for micro industries.

CAF WORLD GIVING INDEX 2021

Question: Consider the following statements:

1. According to the CAF survey, communities around the world are mobilizing to help fellow citizens during the Covid-19 pandemic.
2. The report of CAF states that India is one of the fastest growing countries in the index.
3. India has been placed at 14th position in this report.

Which of the above statement(s) is/are true?

- (A) 01 and 02 (B) 02 and 03
(C) 01 and 03 (D) all of the above

Answer:- (D) All of the above

Role:-Recently CHARITIES AID FOUNDATION (CAF) WORLD GIVING INDEX 2021 was published in which India was ranked among the top 20 liberal countries.

Exam Useful Points:-

- According to this report, 61 percent of Indians have helped a stranger during the Covid-19 epidemic in 2020.
- India is one of the fastest growing countries in the index, said the CAF report.
- India has been placed at 14th position in this report.
- According to the CAF survey, communities around the world are mobilizing to help fellow citizens during the COVID-19 pandemic. 55% of the world's adults (i.e. 3 billion people) were reported to have helped someone they didn't know in 2020.

- Developed countries such as the US, UK, Canada, Ireland and the Netherlands were outside the top rankings.
- Poor countries like Kenya, Nigeria and Ghana were ranked in the top-10 liberal countries in the CAF 2021 index.
- 34% Indians volunteered for social work in India.

International Start-up Hub Ranking-2021

Question: Consider the following statements:

1. London, Mumbai and Bangalore have been ranked among the top start-up centres in the world according to a comprehensive ranking of international start-ups.
2. According to this report, London is the most attractive destination for setting up tech start-ups outside Silicon Valley.
3. Mumbai has been ranked first in the Emerging Ecosystem Ranking.

Which of the above statement(s) is/are true?

- (A) 01 and 02 (B) 02 and 03
(C) 01 and 03 (D) all of the above

Answer:- (D) All of the above

Role:-Recently, the International Start-up Hub Ranking 2021 was compiled and published by Start-up Genome for its annual GLOBAL START-UP ECOSYSTEM REPORT 2021.

- Exam Useful Points:-
- According to this report, Indian start-ups have raised USD 12.1 billion in the first half of the year 2021. It reflects India's rapid growth as a global hub of technology and innovation.
- London, Mumbai and Bangalore have been ranked among the top start-up centres in the world according to a comprehensive ranking of international start-ups.
- Mumbai has been ranked first in the Emerging Ecosystem Ranking.

- According to this report, London is the most attractive destination for setting up tech start-ups outside Silicon Valley with its overall ecosystem valued at US\$142.7 billion.
- London is one of the best cities for access to funding, quality and activity in the investment ecosystem globally.
- Karnataka is also the world's fourth largest technology and innovation cluster and home to over 400 global R&D centres.
- Bangalore secured 23rd position and Delhi 36th.



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