

Q: Consider the following statement regarding ANGAN 2022:

1. Bureau of Energy Efficiency organizes it in collaboration with Swiss Agency for Development & Cooperation.
2. The objective is to promote healthy eco-system in line with LiFE and Panchamrit.
3. India is going to achieve net zero emission by 2050.

Choose the correct option from the codes given below:

- a) 1 and 2
- b) 2 and 3
- c) 1 and 3
- d) 1, 2 and 3

Ans: a

Explanation:

- Recently, a three-day international conference ANGAN 2022 (Augmenting Nature by Green Affordable New-habitat), second edition, titled “Making the Zero-Carbon Transition in Buildings” commenced.
- ANGAN 2.0, which is being organised by the Bureau of Energy Efficiency (BEE), Ministry of Power, in collaboration with Swiss Agency for Development & Cooperation (SDC) under the Indo-Swiss Building Energy Efficiency Project (BEEP).
- The objective of this conference is to promote a healthy ecosystem which was mentioned at COP 26 in Glasgow by the Prime Minister Narendra Modi on LiFE (Lifestyle And Environment) and Panchamrit, aiming to make India Net Zero by 2070.

Q: Consider the following statement:

1. The NEERMAN award has seen participation of building projects only in Jammu & Kashmir and Andaman & Nicobar Islands.
2. These awards are institutionalised with the objective to acknowledge and encourage exemplary building designs.
3. BEEP has provided technical support to BEE in the formulation of Eco-Niwas Samhita.

Choose the correct option from the codes given below:

- a) 1 and 2
- b) 2 and 3
- c) 1 and 3
- d) 1, 2 and 3

Ans: b

Explanation:

- The winners of the BEE’s 1st National Energy Efficiency Roadmap for Movement towards Affordable and Natural habitat (NEERMAN) Awards were felicitated.
- These awards are institutionalised with the objective to acknowledge and encourage exemplary building designs complying with BEE’s Eco-Niwas Samhita (ENS) and Energy Conservation Building Code (ECBC).
- The NEERMAN award has seen participation of building projects across the country from Jammu & Kashmir to Andaman & Nicobar Islands.
- Over this period, BEEP has provided technical support to BEE in the formulation of Eco-Niwas Samhita (energy conservation building code for residential buildings), design of around 50 buildings and trained more than 5000 building sector professionals.

Q: Consider the following statement regarding Green Fins Hub:

1. UNEP along with UK-based charity Reef-World Foundation had recently launched this platform.
2. It was launched to give sustainable marine tourism a ‘major boost’.

Choose the correct option from the codes given below:

- a) 1 Only
- b) 2 Only
- c) 1 and 2
- d) None of the above

Ans: c

Explanation:

- The United Nations Environmental Programme (UNEP), along with UK-based charity Reef-World Foundation, recently launched the Green Fins Hub, a global digital platform to give sustainable marine tourism a 'major boost'.
- The platform will help diving and snorkelling operators worldwide to make simple, cost-efficient changes to their daily practices by utilising tried and tested solutions.
- It would also help them keep track of their annual improvements and communicate with their communities and customers.

Q: Consider the following statement:

1. Chemical reactions between Iodine and Ozone were the second highest contributor to the loss of surface Ozone.
2. The Ozone layer is found in the troposphere.
3. The Ozone has been under attack from chlorine and bromine compounds.

Choose the correct option from the codes given below:

- a) 1 and 2
- b) 2 and 3
- c) 1 and 3
- d) 1, 2 and 3

Ans: d

Explanation:

- The researchers found that the chemical reactions between Iodine and Ozone were the second highest contributor to the loss of surface Ozone.
- The Ozone layer is found in the troposphere, the lower 10 kilometers of the atmosphere, and in the stratosphere that extends 10-50 km above the ground.
- Ozone is a form of oxygen with molecules carrying three atoms instead of two and acts as a shield protecting us against harmful ultraviolet radiation from the Sun.
- The Ozone has been under attack from chlorine (chlorofluorocarbon, CFC) and bromine (halon) compounds that were largely being used in refrigerants, pesticides, solvents, and fire extinguishers. This led to the development of a major hole in the Ozone layer, which has since then closed.

Q: Recently, Russia hosted the seventh Eastern Economic Forum (EEF) at Vladivostok. Consider the following statement:

1. It was established to encourage foreign investments in the Russia's Far East (RFE).
2. It focus on infrastructure, transportation projects, mineral excavations, construction, industry and agriculture.
3. South Korea is the biggest investor in the region.

Choose the correct option from the codes given below:

- a) 1 and 2
- b) 2 and 3
- c) 1 and 3
- d) 1, 2 and 3

Ans: a

Explanation:

- The EEF was established in 2015 to encourage foreign investments in the Russia's Far East (RFE). The EEF displays the economic potential, suitable business conditions and investment opportunities in the region.
- The agreements focus on infrastructure, transportation projects, mineral excavations, construction, industry and agriculture.
- China is the biggest investor in the region as it sees potential in promoting the Chinese Belt and Road Initiative and the Polar Sea Route in the RFE.

- China's investments in the region account for 90% of the total investments. Russia has been welcoming Chinese investments since 2015; more now than ever due to the economic pressures caused by the invasion in Ukraine.
- The Trans-Siberian Railway has further helped Russia and China in advancing trade ties. The countries share a 4000-kilometer-long border, which enables them to tap into each other's resources with some infrastructural assistance. China is also looking to develop its Heilongjiang province which connects with the RFE.