

OCS 2024



OCS CORNER
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Very Similar Questions on

ENVIRONMENT
updates

Jan 2025



Q1- Consider the following statement about the Annual Ground Water Quality Report 2024.

1- Assessment was conducted by Conducted by the Central Ground Water Board (CGWB).

2- India is the largest user of groundwater and has the largest area under groundwater irrigation in the world.

3- 78% of extracted groundwater is used in agriculture and 22% is used for domestic purposes.

4- Over 91% of groundwater samples are safe for irrigation.

Which of the above statement/s is/are correct?

a) 1 and 2 only

b) 2 and 3 only

c) 3 and 4 only

d) All are correct

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Q2. Consider the following statement about the India meteorological department , New Delhi.

1- It is the first organization in India to have a message switching computer: For supporting its global data exchange.

2- India was the first developing country in the world to have its own geostationary satellite, INSAT, for continuous weather monitoring of this part of the globe and particularly for cyclone warning.

3- It provide accurate forecasts for up to 7 days with the outlook for 15 days, 1 month and a season.

4- Mission Mausam which aims to make India as a "Weather-ready and Climate-smart" nation is also being implemented by the India meteorological department and others.

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Q3- Indian Railway Minister announced the development of the world's most powerful hydrogen fuel-run train engine with 1,200 horsepower. In this context , consider the following statement about India's Indigenous Hydrogen Train.

1- It is designed by the Integral Coach Factory, Chennai.

2- The Ministry of Tourism, Government of India, announced the “Hydrogen for Heritage” project in 2023.

3- Only four countries including India in the world have hydrogen-powered trains, capable of producing around 500 to 600 horsepower.

4- All hydrogen powered rail vehicles, whether large or small, are categorized as ‘hydrail,’ whether the fuel is used for the traction motors, auxiliary systems, or both.

How many of the above statement/s is/are correct?

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Q4- Consider the following statement about the Hydrogen and its ecosystem .

- 1- Hydrogen is the simplest and most abundant element in the universe, consisting of just one proton and one electron.**
- 2- It is highly reactive and combines with almost all elements to form binary compounds called hydrides, can undergo oxidation as well as reduction can lose an electron to form H⁺ (proton) or gain an electron to form H⁻ (hydride ion).**
- 3- It has 3 isotopes.**
- 4- Global Programme for Hydrogen in Industry (GPHI) is Coordinated by The International Energy Agency (IEA), developed according to the CEM framework document where India is member.**

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Q5- The Union Ministry of Environment, Forest and Climate Change (MoEF&CC) has issued 4th extension for thermal power plants (TPP) to comply with Sulphur dioxide (SO₂) emission norms. As per the new compliance deadline , the Category A now has a deadline of _____ ; Category B by _____ and Category C by _____ for installing Flue Gas Desulphurization (FGD) systems in TPPs.

- a) December 31, 2027 ; December 31, 2028 ;December 31, 2030**
- b) December 31, 2026 ; December 31, 2028 ;December 31, 2029**
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Q6- Consider the following statement about the Turmeric .

1- It is a rhizome (underground stem) often referred to as the “Golden Spice”

2- It is grown in diverse tropical conditions with the temperature range: 200-350C with annual rainfall: 1500 mm or more.

3- It can thrives best in well-drained sandy or clay loam soils

4- India is responsible for over 90% of the world’s turmeric production, with 30 varieties of turmeric being grown in the country.

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- 1- Rice University**
- 2- University of Iceland, I**
- 3- Iceland Glaciological Society**
- 4- World Glacier Monitoring Service**
- 5-UNESCO**

Which of the following option is correct .

How many of the above statement/s is/are correct?

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Q8- Article 4.1 of UNFCCC is related to

a) Reduction of Plastic Pollution

b) Climate Finance

c) General commitments of all Parties to address climate change

d) Climate Fund

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Q9- Notification, amending the Environment Relief Fund (ERF) Scheme 2008, has been issued in exercise of powers conferred under Section 7A of Public Liability Insurance Act (PLIA), 1991. _____ replaces United India Insurance Company Limited as the fund manager for five years with effect from 1st January, 2025.

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- b) WWF, India**
- c) NICL**
- d) Central Pollution Control Board (CPCB)**

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Q10- 'Global Water Monitor 2024 Summary Report' is released by _____.

Q11- The GEAPP and the _____) signed an agreement to establish a \$100 million fund to support high-impact solar energy projects.

Q12- Madhya Pradesh to translocate 15 Tigers to _____ , _____ & _____ .

Q13- Recently, the standing committee of National Board for Wildlife approved a proposal to carry out oil and gas exploration in the eco-sensitive zone of the Hollongapar Gibbon Wildlife Sanctuary. It is which state ?

Q14- Government of India has designated areas around Shikari Devi Wildlife Sanctuary as Eco-Sensitive Zones (ESZs). It is which state ?

Q15- Which state has launched the Kerala Warnings, Crisis, and Hazard Management System (KaWaCHaM) for real-time disaster alerts.

Q10- 'Global Water Monitor 2024 Summary Report' is released by _____.

Ans. Global Water Monitor Consortium

Q11- The GLOBAL ENERGY ALLIANCE FOR PEOPLE AND PLANET (GEAPP) and the _____ signed an agreement to establish a \$100 million fund to support high-impact solar energy projects.

Ans. International Solar Alliance (ISA)

Q12- Madhya Pradesh to translocate 15 Tigers to _____ , _____ & _____ .

Ans. Rajasthan, Odisha and Chhattisgarh

Q13- Recently, the standing committee of National Board for Wildlife approved a proposal to carry out oil and gas exploration in the eco-sensitive zone of the Hollongapar Gibbon Wildlife Sanctuary. It is which state ?

Ans. Assam

Q14- Government of India has designated areas around Shikari Devi Wildlife Sanctuary as Eco-Sensitive Zones (ESZs). It is which state ?

Ans. Mandi District, Himachal Pradesh.

Q15- Which state launched the 'Garudakshi' online FIR system to curb wildlife crimes.

Ans. Karnataka

Q16- India's coastline has been recalculated from 7,516 km in 1970 to _____ in 2023-24, reflecting a 48% increase over the past 53 years.

Ans. 11,098 km

Q17- Experts attribute the severity of the wildfires in _____ to hydroclimate whiplash, a phenomenon intensified by climate change.

Ans. USA

Q18- The ongoing extreme cold spell in _____ is attributed to arctic blast due to southward expansion of the polar vortex.

Ans. USA & Canada is

Q19- Artesian condition was recently observed in a village in _____

Q20- _____ River historic buildings have been kept on World Monuments Watch 2025 .

Q19- Artesian condition was recently observed in a village in _____

Ans. Jaisalmer, Rajasthan.

Q20- _____ River historic buildings have been kept on World Monuments Watch 2025 .

Ans. Musi River

