

# OFFICERS IAS ACADEMY

IAS ACADEMY RUN BY FORMER CIVIL SERVANTS

Daily MCQs: 30-12-2024

**1. Consider the following statements with reference to the United Nations Framework Convention on Climate Change's (UNFCCC) Conference of Parties 29 (COP 29).**

- 1) One of the outcomes of UNFCCC COP29 was a declaration on reducing methane from organic wastes.
- 2) India is a signatory to the Declaration.

**Which of the above given statements is/are correct?**

- A. 1 only
- B. 2 only
- C. Both 1 and 2
- D. Neither 1 nor 2

**2. Consider the following statements with reference to Urban vegetated canopies.**

1. They are tensioned sail-like structures anchored to the facades of buildings.
2. They can act as a natural insulator and reduce heat absorption.
3. They can help in stormwater management.

**How many of the statements given above is/are correct?**

- A. Only one
- B. Only two
- C. All three
- D. None

**3. Consider the following statements with reference to PM-Surya Ghar Muft Bijli Yojana (PM-SGMBY).**

- 1) The scheme aims to provide free electricity up to 300 units every month to all the households of the country.
- 2) The scheme envisages development of a Model Solar Village in each district of the country.

**Which of the above given statements is/are correct?**

- A. 1 only
- B. 2 only
- C. Both 1 and 2
- D. Neither 1 nor 2

**4. Consider the following sectors with reference to the United Nations Human Rights Council.**

1. The Council is headquartered in Geneva, Switzerland.
2. The Council's Membership is based on equitable geographical distribution.
3. The members are elected by the majority of members of the General Assembly of the United Nations.

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How many of the above given statements is/are correct?

- A. Only one
- B. Only two
- C. All three
- D. None

5. Consider the following statements.

1. Objective Resolution, in the Constituent Assembly, was introduced by Dr BR Ambedkar.
2. The Constitution was adopted on 15th August 1948.
3. The Constitution came into effect on 26th November 1949.

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

- A. Only one
- B. Only two
- C. All three
- D. None

Solutions:

1. Answer: A

Explanation:

Outcomes of UNFCCC COP 29

- **New Collective Quantified Goal (NCQG):**
  - The NCQG is the **amount that must be mobilised by developed countries every year from 2025 onward to finance climate action in developing countries.**
  - **Developed countries** have agreed to **triple finance to developing countries**, from the previous goal of USD 100 billion annually, to **USD 300 billion annually by 2035.**
- **Carbon Markets:**
  - COP 29 agreed on the **rules and methodologies** for the **international carbon trading system** envisioned by **Article 6 of the Paris Agreement.**
    - *Article 6 sets out a system in which countries can trade emission reduction credits between themselves so that an emission reduction in one country can be counted against the emissions generated in another country.*
- **Baku Workplan:**
  - The Baku Workplan adopted at COP29 aims to **elevate the voices of Indigenous Peoples and local communities in climate action.**
- **COP29 Hydrogen Declaration:**

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- It endorsed the **commitment to scale up renewable, clean/zero-emission and low-carbon hydrogen production** and accelerate the decarbonisation of existing hydrogen production from unabated fossil fuels.
- **COP 29 Declaration on reducing methane from organic wastes: Hence statement 1 is correct.**
  - Around **30 countries**, collectively **responsible for nearly 50% of global methane from organic waste emissions**, endorsed the COP29 declaration on reducing methane from organic waste.
  - It aims to set **sectoral targets to reduce methane from organic waste.**
    - **India is not a signatory** to the Declaration. **Hence statement 2 is incorrect.**

2. Answer: C

**Explanation:**

**What are Urban vegetated canopies?**

- Vegetated canopies are **tensioned sail-like structures** that are anchored to the **facades** (*front exterior face or elevation of a building*) of **buildings. Hence statement 1 is correct.**
- They **mimic natural canopies** found in forests.
- It aims at **incorporating greenery**, such as plants, vines, or other vegetation, **on the exterior surfaces of structures within urban areas.**
- This approach, often referred to as "**green facades**" or "**vertical greening**", aims to **integrate vegetation into the built environment.**

**Types of urban vegetated canopies**

- **Green roofs** involve growing vegetation on rooftops of buildings. They provide insulation, reduce stormwater runoff, improve air quality, and create green spaces in densely populated areas.
- **Living walls** are vertical structures covered with vegetation, often attached to the exterior or interior walls of buildings. They can be soil-based, hydroponic, or aeroponic systems supporting a variety of plant species.
- **Green screens** are vertical panels covered with climbing plants or vines. They provide visual screening, reduce noise, and improve air quality.

**Benefits of Urban vegetated canopies**

- Greenery on buildings can act as a **natural insulator, reducing heat absorption and lowering indoor temperatures**, thereby **reducing the urban heat island effect. Hence statement 2 is correct.**
- Plants and vegetation can help **filter pollutants** from the air, and help in **improving air quality.**
- They can help **manage stormwater** by absorbing and retaining rainwater, reducing runoff and alleviating strain on drainage systems. **Hence statement 3 is correct.**
- Vegetated canopies can provide **habitat** for birds, insects, and other wildlife, which can help to boost biodiversity in urban areas.

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### 3. Answer: B

#### Explanation:

##### About the Scheme

- In a bid to boost solar power and sustainable progress, the Government of India launched the PM-Surya Ghar Muft Bijli Yojana (PM-SGMBY) in February 2024 for **installing rooftop solar in one crore households nationwide**.
- The scheme aims to **provide free electricity up to 300 units every month to the one crore households of the country. Hence statement 1 is incorrect.**

##### Key Provisions

- Under the scheme, the **households who opt to install rooftop solar electricity units will get 300 units of electricity for free every month.**
- The scheme **focuses on the household segment with up to 3 kW systems**, which covers most of the residential consumers in India.
- The households will apply for subsidy through the **National Portal** (<https://pmsuryaghar.gov.in>) and will be able to select a suitable vendor for installing rooftop solar.

##### Other Features of the Scheme

- A **Model Solar Village** will be developed in **each district** of the country to act as a role model for adoption of rooftop solar in rural areas. **Hence statement 2 is correct.**
- **Urban Local Bodies and Panchayati Raj Institutions** shall also benefit from incentives for promoting Rooftop Solar installations in their areas.
- Through this scheme, the households will be **able to save electricity bills** as well as **earn additional income through sale of surplus power to DISCOMs.**

##### Who is eligible for PM Surya Ghar Muft Bijli Yojana?

- Individuals must meet the following criteria to apply for the scheme:
  1. Indian citizenship.
  2. Ownership of a house with a suitable roof for solar panel installation.
  3. Possession of a valid electricity connection.
  4. Absence of prior subsidies for solar panels.

### 4. Answer: C

#### Explanation:

- The Human Rights Council is an **inter-governmental body within the United Nations system.**
- UNHRC is responsible for **strengthening the promotion and protection of human rights** around the globe and for **addressing situations of human rights violations and making recommendations** on them.

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- It has the ability to discuss all thematic human rights issues and situations that require its attention throughout the year.
- The Council was created by the **United Nations General Assembly** in **2006**. It replaced **the former United Nations Commission on Human Rights**.
- The headquarters of UNHRC is in **Geneva, Switzerland**. Hence **statement 1 is correct**.

### Membership

- The Council is made of **47 Member States**, which are elected by the majority of members of the General Assembly of the United Nations through **direct and secret ballot**. Hence **statement 3 is correct**.
- The Council's Membership is based on **equitable geographical distribution**. Hence **statement 2 is correct**.
- Members of the Council serve for a period of **three years** and are **not eligible for immediate re-election after serving two consecutive terms**.

### 5. Answer: D

### Explanation:

- **Objective Resolution:** This Resolution was introduced by **Jawaharlal Nehru**. It articulated the fundamental goals of the Constitution, emphasising justice, liberty, equality, and fraternity, which would serve as guiding principles throughout the drafting process. Hence **statement 1 is incorrect**.
- **Drafting Committee:** Chaired by Dr BR Ambedkar, it was **formed in 1947** to translate the ideals of Objective Resolution into a **comprehensive legal framework**.
- The Constituent Assembly meticulously crafted the Constitution, balancing the aspirations of a diverse population while addressing the historical injustices stemming from colonial rule.
- On **26 November 1949**, the **Constitution** was **adopted**, marking a momentous occasion in India's history. This date is celebrated annually as **Constitution Day**. Hence **statement 2 is incorrect**.
- The Constitution officially **came into effect on 26 January 1950**, a date now commemorated as **Republic Day**, symbolising the transition from colonial rule to self-governance. Hence **statement 3 is incorrect**.