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23/09

1. With reference to the Air Quality Index(AQI), consider the following statements.

1. Carbon Dioxide is a pollutant under AQI
2. Airborne particles are one of the most dangerous pollutants for health

Which of the statements given above is/are correct?

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

Answer: B

Explanation:

- **Statement 1 is incorrect: Carbon Dioxide is not considered as a pollutant.** It is a green house gas. The calculated pollutants are
 - Ground-level ozone,
 - PM10,
 - PM2.5,
 - Carbon monoxide,
 - Sulfur dioxide,
 - Nitrogen dioxide,
 - Ammonia
- **Statement 2 is correct: Ground-level ozone and airborne particles** are the two pollutants that pose the greatest threat to human health in this country.
- The Air Quality Index (AQI) is used for reporting daily air quality. It tells you how clean or polluted your air is, and what associated health effects might be a concern for you. The AQI focuses on health effects you may experience within a few hours or days after breathing polluted air.

<https://www.thehindu.com/news/cities/Delhi/epca-chief-asks-punjab-haryana-to-act-against-stubble-burning/article32672708.ece>

2. With reference to the Unique Identification Authority of India(UIDAI), consider the following statements.

1. It is an executive body
2. The UIDAI is mandated to assign a 10-digit unique identification (UID) number
3. UIDAI is under the Finance Ministry

Which of the statements given above is/are correct?

- A. 1 and 3 only

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- B. 1 and 2 only
- C. 2 and 3 only
- D. None of the above

Answer: D

Explanation:

- **Statement 1 and 3 are incorrect:**
- The Unique Identification Authority of India is a **statutory authority** established under the provisions of Aadhaar act 2016 by the Govt. of India **under the Ministry of Electronics & Information Technology.**
- **Statement 2 is incorrect:** The UIDAI is mandated to assign a **12-digit** unique identification (UID) number (Aadhaar) to all the residents of India.

<https://www.thehindu.com/opinion/lead/making-the-language-of-the-law-comprehensible/article32672083.ece>

3. In which region is the language Dogri mostly spoken?

- A. Assam
- B. Jammu
- C. Meghalaya
- D. Rajasthan

Answer: B

Explanation:

- **Dogri** is a **Northern Indo-Aryan language** spoken by about five million people in India, chiefly in the **Jammu region of Jammu and Kashmir**. It is also spoken in the state of **Himachal Pradesh, and in northern Punjab region**, other parts of Jammu and Kashmir, and elsewhere. Dogri is one of the 22 official languages of India

<https://www.thehindu.com/news/national/lok-sabha-passes-the-jk-official-languages-bill-2020/article32671667.ece>

4. With reference to Central Drugs Standard Control Organisation (CDSCO), consider the following statements.

1. It comes under the Ministry of Chemicals and Fertilizers
2. It deals with domestic drugs only.

Which of the statements given above is/are correct?

- A. 1 only
- B. 2 only

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- C. Both 1 and 2
- D. Neither 1 nor 2

Answer: D

Explanation:

- **Statement 1 is incorrect:** The Central Drugs Standard Control Organisation (CDSCO) is under Directorate General of Health Services, **Ministry of Health & Family Welfare**, Government of India

Statement 2 is incorrect: Under the Drugs and Cosmetics Act, CDSCO is responsible for approval of New Drugs, Conduct of Clinical Trials, laying down the standards for Drugs, control over the **quality of imported Drugs** in the country and coordination of the activities of State Drug Control Organizations by providing expert advice with a view to bring about the uniformity in the enforcement of the Drugs and Cosmetics Act.

<https://www.hindustantimes.com/india-news/covid-19-vaccine-at-least-50-per-cent-efficacy-dgci-issues-new-guidelines/story-tff80MhcjNB8ANmRiaB3ZN.html>

5. “Stress Testing”, a term recently seen in news refers to

- A. A technique used to test the resilience of financial institutions
- B. A method used to identify a certain strand of virus
- C. A method used to find new oil wells
- D. A technique used in mineral extraction in tough surfaces.

Answer: A

Explanation:

- Stress testing is a **computer-simulated** technique to **analyze how banks and investment portfolios fare in drastic economic scenarios**.
- Stress testing helps gauge investment risk and the adequacy of assets, as well as to help evaluate internal processes and controls.
- Regulations require banks to carry out various stress-test scenarios and report on their internal procedures for managing capital and risk.

<https://www.thehindu.com/business/Industry/sebi-mulls-stress-tests-swing-pricing-for-mfs/article32672116.ece>