



Daily Current Affairs Prelims Quiz 25-05-2022 - (Online Prelims Test)

1) Consider the following statements regarding Obesogens:

1. Obesogens are secreted by the thyroid gland into the bloodstream that acts as endocrine disruptors, affecting metabolic endpoints.
2. They directly affect the number and size of fat cells and change the thyroid and dopamine reward system.

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

- a. 1 only
- b. 2 only
- c. Both 1 and 2
- d. Neither 1 nor 2

Answer : a

Obesogens



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- Obesogens are foreign chemical compounds, external to the human body, that act as endocrine disruptors, affecting metabolic endpoints and altering the balance between energy intake and energy expenditure of the body.
- Obesogens work by upsetting the body's metabolic thermostat.
- The body's balance of energy intake and expenditure through activity relies on the interplay of various hormones from fat tissue, gut, pancreas, liver, and brain.
- The pollutants can directly affect the number and size of fat cells, alter the signals that make people feel full, and change thyroid function and the dopamine reward system.
- Other obesogens: pesticides, perfluoroalkyl substances compounds which are present in meals packaging, cookware, and furnishings.

2) Consider the following statements regarding Exchange-Traded Fund (ETF):

1. An exchange-traded fund is a basket of securities that trade on an exchange just like a stock does.
2. They contain all types of investments, including stocks, commodities, or bonds.
3. The trading mechanism for ETF is similar to the trading mechanism of Mutual funds.

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

- a. 1 and 2 only
- b. 2 and 3 only
- c. 1 and 3 only
- d. 1, 2 and 3

Answer : a

Exchange-Traded Funds (ETFs)

- An exchange-traded fund (ETF) is a basket of securities that trade on an exchange just like a stock does.
- ETF share prices fluctuate all day as the ETF is bought and sold; this is different from mutual funds, which only trade once a day after the market closes.
- ETFs can contain all types of investments, including stocks, commodities, or bonds.

3) Consider the following statements regarding the Directorate General of Foreign Trade (DGFT):

1. It was established as an office under the Ministry of Commerce and Industry, after the 1991 economic liberalization.
2. It acts as an integrated single-window agency for providing comprehensive foreign trade defense mechanisms.

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

- a. 1 only
- b. 2 only
- c. Both 1 and 2
- d. Neither 1 nor 2

Answer : a

Directorate General of Foreign Trade (DGFT)

- It is an attached office of the Ministry of Commerce and Industry and is headed by the Director General of Foreign Trade.
- The DGFT was formed in 1991 when the Liberalization, Globalization, Privatization (LGP) policies of the government took off.
- Before 1991, it was known as the Chief Controller of Imports and Exports (CCI&E)
- It is responsible for formulating and implementing the Foreign Trade Policy with the main objective of promoting India's exports.
- The Directorate General of Trade Remedies acts as an integrated single-window agency for providing a comprehensive and swift trade defense mechanism in India.

4) Consider the following statements:

1. A halo orbit is a periodic three-dimensional orbit near one of the L1, L2, or L3 Lagrange points.
2. Halo orbits can exist between any three-body system such as the Sun-Earth-Orbiting Satellite or Earth-Moon-Orbiting Satellite.
3. Aditya L1 mission of ISRO aims to place a satellite in the halo orbit to continuously view the sun without any eclipses.

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

- a. 1 and 2 only
- b. 1 and 3 only
- c. 2 and 3 only
- d. 1, 2 and 3

Answer : d

Halo Orbits

- A halo orbit is a periodic, three-dimensional orbit near one of the L1, L2, or L3 Lagrange points in the three-body problem of orbital mechanics.
- Halo orbits exist in any three-body system, e.g., a Sun-Earth-orbiting satellite system or an

Earth-Moon-orbiting satellite system.

- India's first mission to study the Sun, Aditya L-1 aims to place a 400kg satellite in the halo orbit around the Lagrangian point 1 (L1) of the Sun-Earth system to continuously view the sun without any eclipses.

5) Consider the following statements regarding India Hypertension Control Initiative (IHCI):

1. It is a centrally funded scheme carried out by the Ministry of Health and Family Welfare.
2. Kerala accounts for the highest number of hypertension patients in the country.

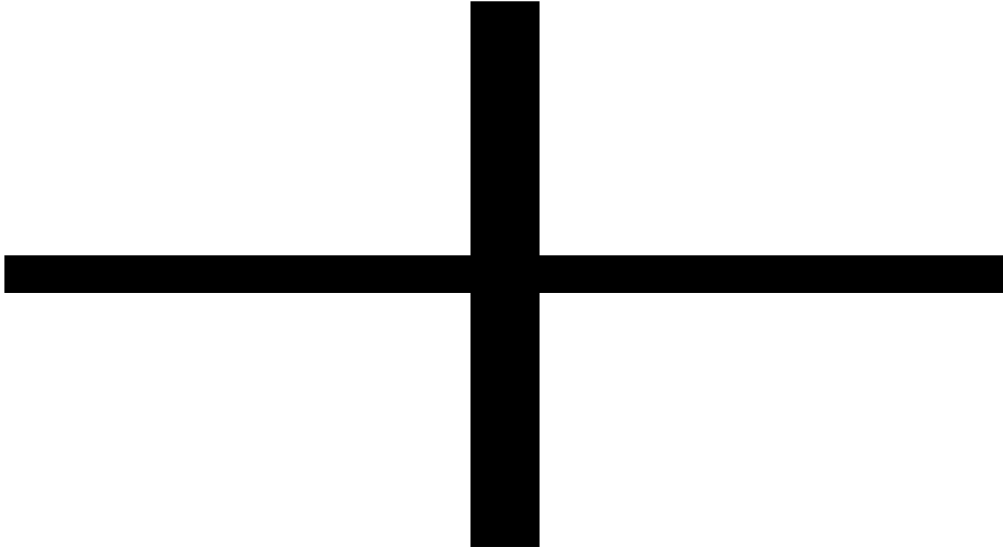
Which of the above statement(s) is/are correct?

- a. 1 only
- b. 2 only
- c. Both 1 and 2
- d. Neither 1 nor 2

Answer : b

India Hypertension Control Initiative (IHCI)

- It is a multi-partner initiative involving the Indian Council of Medical Research, WHO-India, Ministry of Health and Family Welfare, and State governments to improve blood pressure control for people with hypertension.
- The project was built on five scalable strategies: First, a simple treatment protocol with three drugs was selected in consultation with the experts and non-communicable disease programme managers.
- Second, the supply chain was strengthened to ensure the availability of adequate antihypertensive drugs.
- Third, patient-centric approaches were followed, such as refills for at least 30 days and assigning the patients to the closest primary health centre or health wellness centre to make follow-up easier.
- Fourth, the focus was on building the capacity of all health staff and sharing tasks such as BP measurement, documentation, and follow-up.
- Finally, there was minimal documentation using either paper-based or digital tools to track follow-up and BP control.
- The southern states have a higher prevalence of hypertension than the national average, according to the latest edition of the National Family Health Survey.
- While 21.3% of women and 24% of men aged above 15 have hypertension in the country.
- The prevalence is the highest in Kerala where 32.8% of men and 30.9% of women have been diagnosed with hypertension.



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