



Daily Current Affairs Prelims Quiz 22-08-2025 (Online Prelims Test)

1) Which of the following is **Ideonella sakaiensis** recently seen in news?

- a. Plant species found in north east
- b. Animal fossil found in Nepal
- c. Plastic degrading microbe
- d. Algae used to make medicine

Answer : c

Explanation

- **Option (c) is correct answer - *Ideonella sakaiensis*** is a bacterium with a unique ability to break down polyethylene terephthalate (PET), a common type of plastic.
- It is discovered by a group of Japanese researchers led by Kohei Oda and Kenji Miyamoto of Kyoto Institute of Technology and Keio University.
- It was discovered from PET contaminated soil, suggesting its main habitat to be the environment, mainly soil with enriched plastic wastes.
- They are **found in oxygen-rich rich moist soil and sewage sludge.**

To know more, click [here](#)

2) Consider the following statements about e-Jagrati

1. It is a unified digital platform to transform consumer grievance redressal across the country.
2. Ministry of law and justice is the nodal ministry for this initiative.
3. It provides dedicated modules for advocates to track cases, receive hearing alerts and verify credentials through Bar Council integration.
4. Currently, its coverage limited only to 19 states and UT's.

Select the correct statements using the code given below:

- a. All except 2
- b. All except 2 and 4
- c. All except 4
- d. All of the above

Answer : b

Explanation

- **Statements (1), (3) are correct.**
- **Statement 2 is incorrect** - Nodal ministry is Ministry of Consumer Affairs, Food and Public Distribution (not ministry of Law & Justice).
- **Statement (4) is incorrect** - It's coverage is across **all 36 States and Union Territories** along

with the *National Consumer Disputes Redressal Commission (NCDRC)*.

- **Additional information** - Over two lakh users, including NRIs, have registered on the e-Jagruti platform.
- It boosts the efficiency of consumer commission and supports environmental sustainability.
- This initiative provides simple, fast and a more cost-effective consumer disputes redressal software solution at all levels.

To know more in detail, click [here](#)

3) which of the following does **Mephedrone** recently in news related to?

- a. Vaccine
- b. Virus
- c. Unmanned aerial vehicle (UAV)
- d. Illicit drug

Answer : d

Explanation

- **Option (d) is correct** - **Mephedrone (4-methylmethcathinone)** is a new psychoactive substance, a drug that has been designed to produce effects similar to those of established illicit drugs.
- It is an *empathogen-stimulant drug* means that it speeds up the messages travelling between the brain and body.
- It increases an individual's feeling of empathy and kindness and it enhances feelings of being socially accepted and connected to others.
- Directorate of Revenue Intelligence (DRI) conducted **Operation Crystal Break** aiming to curb mephedrone and other illegal drugs manufacturing factories. Recently, illegal drug factory busted on outskirts of Bhopal.

To know more, click [here](#)

4) Consider the following statements

1. Biosensors are the analytical devices that consist of a combination of biological detecting elements, like a sensor system and a transducer.
2. Traditional biosensors are based on enzymes, are often fragile, cheap compared to Modular biosensors.

Select correct statements using the code given below:

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

Answer : a

Explanation

- **Statement (1) is correct.**
- Biosensors can be defined as self-sufficient integrated devices that can provide specific qualitative or semi-quantitative analytical information.
- It uses a biological recognition element that is in direct spatial contact with a transduction element.

- **Statement (2) is incorrect** - The **Traditional biosensors** are based on enzymes, are often fragile, **costly** and have a slow response time in complex environments.
- **Modular biosensor** could sense the presence of specific compounds and convert that into an electrical signal, which is compatible with **low-cost** electronics.

To know more, click [here](#)

5) **Chalkiness trait** recently seen in news associated with which of the following?

- Rice
- Millet
- Wheat
- Green gram

Answer : a

Explanation

- **Option (a) is correct** - Chalkiness is a trait found in **rice grains** that significantly increases breakage during milling.
- Chalky rice grains have an **opaque appearance after milling and a brittle structure**, which leads to higher breakage during milling.
- Chalkiness in rice varieties is **influenced by many genes and by environmental factors** like high temperature and nutrient availability.
- ***Absence of chromosome 9*** results in high chalkiness in rice.

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