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Daily MCQs: 03-12-2024

1. Consider the following statements about Gram Nyayalayas.

- 1) Gram Nyayalayas are aimed at providing inexpensive justice in rural areas.
- 2) Central Government can establish Gram Nyayalayas in consultation with the respective High Courts.
- 3) Gram Nyayalayas will be bound by the rules of evidence provided in the Indian Evidence Act, 1872

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

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

2. Consider the following statements about Archaeology in India.

- 1) Asiatic Society was founded by Sir William Jones.
- 2) The Archaeological Survey of India was formed during the viceroyship of Lord Canning.
- 3) James Prinsep served as the first Archaeological Surveyor of The Archaeological Survey of India.

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

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

3. Consider the following statements about CAR T-cell therapy.

- 1) CAR T-cell therapies use a patient's own cells.
- 2) A patient's own cells can be modified in the laboratory to activate T-cells to attack tumours.

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

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

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4. Consider the following.

- 1) Soil alkalinity
- 2) Salinity
- 3) Stagnant productivity
- 4) Soil sickness
- 5) Micronutrient deficiency

How many of the above can be a consequence of imbalanced fertilizer application?

- A. Only two
- B. Only three
- C. Only four
- D. All five

5. SHe-Box portal is a centralized platform for registering and monitoring complaints of

- A. Senior citizen abuse by their children
- B. Domestic abuse of women at households
- C. Cybercrimes at social media platforms
- D. Sexual harassment of women at the workplace

Solutions:

1. Answer: A

Explanation

What are Gram Nyayalayas ?

- Gram Nyayalayas are mobile village courts in India established under **Gram Nyayalayas Act, 2008** for speedy and easy access to justice system in the rural areas of India. They are aimed at providing inexpensive justice to people in rural areas at their doorsteps. Hence, **statement 1 is correct.**
- The Act came into force on October 2, 2009.

Structure of Gram Nyayalayas

- It is for the **State Governments** to establish Gram Nyayalayas in consultation with the respective High Courts. The seat of the Gram Nyayalaya will be located at the headquarters of the intermediate Panchayat, but they will go to villages, work there and dispose of the cases. Hence, **statement 2 is incorrect.**

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- Gram Nyayalaya are courts of **Judicial Magistrate of the first class** and its presiding officer (Nyayadhikari) is appointed by the **State Government** in consultation with the High Court of the State concerned.
- The Gram Nyayalaya will not be bound by the rules of evidence provided in the Indian Evidence Act, 1872 but shall be guided by the **principles of natural justice** and subject to any rule made by the High Court. Hence, **statement 3 is incorrect**.

2. Answer: B

Explanation

- Archaeological and historical pursuits in India started with the efforts of **Sir William Jones**, who put together a group of antiquarians to form the **Asiatic Society in 1784 in Calcutta**. Hence, **statement 1 is correct**.
- The Archaeological Survey of India was eventually formed in **1861** by a statute passed into law by **Viceroy Lord Canning** with **Alexander Cunningham** as the first Archaeological Surveyor. Hence, **statement 2 is correct and statement 3 is incorrect**.
- The Archaeological Survey of India continues as the premier organization for the **archaeological research and protection of the cultural heritage** of the nation.

3. Answer: C

Explanation

- **Chimeric antigen receptor (CAR) T-cell therapies** represent a quantum leap in the sophistication of cancer treatment. Unlike chemotherapy or immunotherapy, which **require mass-produced injectable or oral medication**, CAR T-cell therapies **use a patient's own cells**. Hence, **statement 1 is correct**.
- They are **modified in the laboratory to activate T-cells**, a component of immune cells, to attack tumours. These modified cells are then **infused back into the patient's bloodstream** after conditioning them to multiply more effectively. Hence, **statement 2 is correct**.
- The cells are **even more specific** than targeted agents and directly activate the patient's immune system against cancer, making the treatment **more clinically effective**. This is why they're called '**living drugs**'.

4. Answer: D

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Explanation

- Crops require the right mix of three nutrients viz. **nitrogen, phosphorus, and potassium or NPK** (N helps in plant growth and development, P not only accelerates blooming and the growth of roots but also helps plants to withstand stress and K helps the process of photosynthesis and is essential to plant growth).
- Imbalanced use of N, P and K leads to the **loss of fertility of the soil** over a period of time, which affects efficiency of fertilizer use and crop productivity.
- In India, **urea**, a nitrogen-based fertilizer, is the most commonly used fertiliser because it is highly subsidised. The overuse of nitrogenous fertilizers has led to an **imbalanced fertilizer application** in the country, **heavily skewed toward nitrogen**.
- This imbalance has resulted in an **abnormally high NPK ratio of 10.9:4.9:1** against the recommended ratio of **4:2:1**.
- This imbalance causes problems, right from **stagnating or declining productivity to soil sickness, widespread deficiency of secondary nutrients and micronutrients, and soil alkalinity and salinity**. Hence, **answer is option D**.
- Eventually, it results in reduced efficiency of fertilizers, low yields and low profitability for farmers.

5. Answer: D

Explanation:

- In August 2024, the Ministry of Women and Child Development has launched the **new SHE-Box portal**, a centralized platform for registering and monitoring complaints of sexual harassment of women at the workplace. Hence, **answer is option D**.
- The new portal would serve as a **centralized repository of information related to Internal Committees (ICs) and Local Committees (LCs)** formed across the country, encompassing both the government and private sectors.
- It also features a **designated nodal officer** to enable real-time monitoring of complaints, thereby providing a streamlined and assured redressal process.