



1.What is the primary objective of the Jiyo Parsi Scheme, recently seen in news?

- [A] To promote the education of Parsi children
- [B] To reverse the declining trend of the Parsi population
- [C] To provide financial aid for Parsi businesses
- [D] To encourage Parsi cultural activities

Correct Answer: B [To reverse the declining trend of the Parsi population]

Notes:

The Jiyo Parsi Scheme, launched in 2013-14 by the Ministry of Minority Affairs, aims to reverse the declining Parsi population in India. It includes three components: Medical Assistance, Health of Community, and Advocacy. The scheme provides financial help to Parsi couples for medical treatments, child care, and elderly support. Additionally, outreach programs are conducted to raise awareness among the Parsi community. The recent launch of the Jiyo Parsi Scheme portal marks a new step in implementing these structured interventions to stabilize the Parsi population in India.

2.What is 'Dysbiosis', recently seen in news?

- [A] A type of bacterial infection
- [B] An overgrowth of harmful fungi
- [C] An imbalance within a microbiome
- [D] A condition caused by viruses

Correct Answer: C [An imbalance within a microbiome]

Notes:

Antibiotics, especially broad-spectrum ones, can disrupt gut bacteria, causing dysbiosis. Dysbiosis is an imbalance in the microbiome, the community of microorganisms in our body. A balanced microbiome has diverse microorganisms without any dominating. Dysbiosis occurs when this balance is lost, affecting how microorganisms function in the body. It typically happens in the gastrointestinal tract due to infections, antibiotics, or diet. Dysbiosis increases vulnerability to infections and disrupts the microbiome's essential functions.

3.Recently, DRDO and the Indian Army have successfully test fired indigenously built Man Portable Anti-Tank Guided Missile (MPATGM) at which region?

- [A] Porbandar, Gujarat
- [B] Pokhran, Rajasthan



[C] Visakhapatnam, Andhra Pradesh

[D] Nagapattinam, Tamil Nadu

Correct Answer: B [Pokhran, Rajasthan]

Notes:

DRDO and the Indian Army successfully tested the Man Portable Anti-Tank Guided Missile (MPATGM) at Pokhran Field Firing Range. MPATGM is a shoulder-launched, portable missile system designed to target enemy tanks and armored vehicles. The system includes a launcher, target acquisition system, and fire control unit. It has advanced infrared homing sensors and integrated avionics, making it effective for day and night operations.

4. Chandaka Wildlife Sanctuary, recently seen in the news, is located in which state?

[A] Odisha

[B] Andhra Pradesh

[C] Gujarat

[D] Rajasthan

Correct Answer: A [Odisha]

Notes:

On Independence Day, sambar and barking deer were released in Chandaka Wildlife Sanctuary. It is located in Khurda district, Odisha, marking the northeastern limits of the Eastern Ghats. The sanctuary, established in 1982, is home to many threatened wild animals and birds. The climate is tropical, with summer, rainy season, and winter. The flora includes a mix of evergreen and deciduous vegetation, with species like Dhaman, Kusum, and Thorny bamboo. The fauna includes elephants, chital, wild boar, rhesus monkey, sloth bear, Indian wolf, and hyena.

5. Which ministry recently released the 'Flood Watch India 2.0 App,' developed by the Central Water Commission (CWC)?

[A] Ministry of Rural Development

[B] Ministry of Agriculture

[C] Ministry of Jal Shakti

[D] Ministry of Urban Development



Correct Answer: C [Ministry of Jal Shakti]

Notes:

The Union Minister for Jal Shakti launched Version 2.0 of the 'FloodWatch India' mobile app by the Central Water Commission (CWC). The app provides real-time flood information and 7-day forecasts to the public in English and Hindi, with both readable and audio formats. Users can monitor flood situations across the country using real-time river flow data and get flood forecasts at nearby stations. The app includes advanced technologies like satellite data analysis and mathematical modeling. Version 2.0 adds 392 more flood monitoring stations, totaling 592, and provides storage information for 150 major reservoirs to better predict downstream flood situations.

6. Prerana Programme, recently seen in the news, is launched by which ministry?

- [A] Ministry of Education
- [B] Ministry of Culture
- [C] Ministry of Urban Development
- [D] Ministry of Defence

Correct Answer: A [Ministry of Education]

Notes:

The Union Education Minister recently interacted with students, teachers, and parents of PM SHRI Schools and Prerana Programme alumni. Prerana Programme, launched in January 2024, integrates Indian education principles and value-based learning from NEP 2020. It's a week-long residential program for selected class IX to XII students, combining heritage and innovation.

7. What is the objective of 'National Pest Surveillance System (NPSS)', recently launched by Union Government?

- [A] To reduce farmers' dependence on pesticide retailers
- [B] To monitor soil quality
- [C] To monitor weather patterns
- [D] To improve irrigation techniques

Correct Answer: A [To reduce farmers' dependence on pesticide retailers]

Notes:

The Indian Government launched the AI-based National Pest Surveillance System (NPSS) on August 15 to assist farmers with pest control. NPSS helps farmers connect with agricultural experts using their phones, reducing reliance on pesticide retailers. Farmers can send images of infested crops to experts for accurate diagnosis and treatment. The system uses AI tools to analyze pest data, providing timely information to around 14 crore farmers. This initiative aims to increase productivity, conserve soil health, and will be implemented at the state level through outreach programs without additional funding.



8. *Gastrodia indica*, a unique orchid species, was recently discovered in which sanctuary of Sikkim?

- [A] Kyongnosla Alpine Sanctuary
- [B] Fambonglho Wildlife Sanctuary
- [C] Pangolakha Wildlife Sanctuary
- [D] Shingba Rhododendron Sanctuary

.

**Correct Answer:** B [Fambonglho Wildlife Sanctuary]

**Notes:**

A unique orchid species, *Gastrodia indica*, was recently discovered in Fambonglho Wildlife Sanctuary, Sikkim. It is the first orchid from India that never opens its flower and the first cleistogamous species of the *Gastrodia* genus found in India. *Gastrodia indica* is holomycotrophic, relying entirely on fungi for sustenance as it lacks chlorophyll. Found at 1,950–2,100 meters, it thrives in dense, rotten leaf litter near specific trees like *Magnolia* and *Acer*. The discovery brings the total number of *Gastrodia* species in India to 10, but the species faces threats due to its limited population and specific habitat needs.

9. Which country has recently introduced the 'AIM-174B', an extremely long-range air-to-air missile, in the Indo-Pacific?

- [A] UK
- [B] US
- [C] Japan
- [D] India

.

**Correct Answer:** B [US]

**Notes:**

The US Navy's new AIM-174B missile aims to counter China's aerial dominance. It's an air-launched version of the SM-6 missile and was introduced in July 2024 by Raytheon. This long-range air-to-air missile can strike targets up to 400 km away, exceeding the range of China's PL-15. Deployed in the Indo-Pacific, it supports US power projection amid rising regional tensions. The AIM-174B targets high-priority ground objects like air defense sites and warships, operating in a quasi-ballistic manner.

10. What is 'Californium', recently seen in news?

- [A] A new technology to search dwarf planets
- [B] Machine learning model
- [C] A highly radioactive element
- [D] It is a unique strain of antibiotic-resistant bacteria

.

**Correct Answer:** C [A highly radioactive element]



GAGAN - THE DESERVING INDIA

*"Empowering future leaders"*

**Notes:**

Bihar police recently seized 50 grams of californium, a highly radioactive element. Californium is a synthetic, silvery-white metal with atomic number 98, first synthesized in 1950 at the University of California, Berkeley. It is not naturally occurring and is produced by bombarding curium with helium ions. It is known for its intense radioactivity. Californium is valuable but hazardous. It is used in starting nuclear reactors, detecting metal fatigue in airplanes, and treating certain cancers. Californium's isotopes include Cf-251, the most stable with a half-life of 898 years, and is used in various industrial and scientific applications.