



# Daily PIB Summary

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29th May 2026

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## 1. TEAM INDIA SHINES AT TAIPEI CAPITAL CUP 2026, WINS TWO SILVER MEDALS & THREE MERIT AWARDS



### Key Achievements

- I. India won:
  - A. 2 Silver Medals
  - B. 3 Merit Awards
- II. Competitions focused on:
  - A. Advanced and industry-relevant skill domains

### Focus Areas

- Emerging technologies
- Vocational and technical skills
- Industry-oriented innovation and applications

### Importance

- I. Demonstrates:
  - A. India's improving global competitiveness in skilled workforce development
- II. Encourages:

- A. Youth participation in skill-based careers and innovation ecosystems

### Significance

- I. Supports:
  - A. Skill India and workforce development objectives
- II. Enhances:
  - A. International recognition of Indian talent and technical expertise

## BACKGROUND / CONTEXT

### Taipei Capital Cup

#### Taipei Capital Cup 2026

- I. International skills competition showcasing:
  - A. Vocational excellence and technical innovation
- II. Provides a platform for:
  - A. Young professionals and students to compete globally

### Skill Development in India

#### Skill India Mission

- I. National initiative aimed at:
  - A. Enhancing employability and vocational training

### Importance of Vocational Skills

- I. Industry-driven skills are important for:
  - A. Employment generation
  - B. Economic productivity
  - C. Technological advancement

## Emerging Technologies

- I. Includes areas such as:
  - A. Automation
  - B. Digital manufacturing
  - C. AI-enabled applications
  - D. Advanced technical trades

## Global Skill Competitions

- I. Help:
  - A. Benchmark workforce capabilities internationally
- II. Promote:
  - A. Innovation, technical excellence, and collaboration

## KEY HIGHLIGHTS

- **Event:** Taipei Capital Cup 2026.
- **Country:** India.
- **Achievement:** Two silver medals and three merit awards.
- **Focus:** Emerging and industry-driven skills.
- **Importance:** Global recognition of Indian talent.
- **Linked initiative:** Skill India Mission.
- **Way Forward:** Strengthen vocational education, innovation ecosystems, and global skill partnerships.

## PRELIMS BOOSTER BOX

- **Taipei Capital Cup:** International skills competition
- **Theme:** Vocational and technical excellence
- **India's achievement:** 2 silver medals and 3 merit awards
- **Skill India Mission:** Workforce development initiative

- **Focus:** Industry-oriented skills
- **Importance:** Employability and innovation
- **Goal:** Globally competitive skilled workforce

## PadhAI-GENERATED UPSC MCQ

### Consider the following statements:

1. Vocational and technical skills are important for improving employability and industrial productivity.
2. International skill competitions help benchmark workforce capabilities globally.
3. Skill India Mission aims to strengthen workforce development and employability in India.

### Which of the statements given above is/are correct?

- (a) 1, 2 and 3
- (b) 1 and 2 only
- (c) 2 and 3 only
- (d) 1 only

**Answer: (a)**

## 2.INDIA UNVEILS PORT PERFORMANCE INDEX & MARITIME DIGITAL REFORMS TO BOOST GLOBAL COMPETITIVENESS



### Key Objectives

- I. Improve:
  - A. Operational efficiency of ports
- II. Enhance:
  - A. Transparency and digital governance in maritime operations
- III. Strengthen:
  - A. India's position in global shipping and logistics networks

### What is the Port Performance Index?

- I. A performance evaluation framework measuring:
  - A. Port efficiency
  - B. Cargo handling
  - C. Turnaround time
  - D. Operational productivity

### Digital Maritime Reforms

- I. Adoption of:

- A. Digital platforms and smart port systems
- II. Focus areas include:
  - A. Real-time cargo tracking
  - B. Paperless documentation
  - C. Integrated logistics systems
  - D. Port community systems and automation

### Importance

- I. Reduces:
  - A. Logistics costs and delays
- II. Improves:
  - A. Trade facilitation and supply-chain efficiency
- III. Enhances:
  - A. Ease of doing business and export competitiveness

## BACKGROUND / CONTEXT

### Ports in India

- I. India has:
  - A. Major and non-major ports along its extensive coastline
- II. Ports are critical for:
  - A. International trade and economic growth

### Maritime Sector Importance

- I. Handles:
  - A. Majority of India's merchandise trade by volume
- II. Supports:
  - A. Energy security
  - B. Manufacturing
  - C. Export-import activities

## Digitalization in Logistics

- I. Helps:
  - A. Improve efficiency and transparency
- II. Reduces:
  - A. Manual processes and transaction delays

## Sagarmala Programme

### Sagarmala Programme

- I. Initiative aimed at:
  - A. Port-led development and modernization of maritime infrastructure

## Global Competitiveness

- I. Efficient ports contribute to:
  - A. Faster trade movement
  - B. Lower logistics costs
  - C. Better integration into global supply chains

## KEY HIGHLIGHTS

- **Initiative:** Port Performance Index.
- **Sector:** Maritime and logistics.
- **Focus:** Digital reforms and operational efficiency.
- **Objective:** Improve global competitiveness.
- **Technology:** Smart and paperless port systems.
- **Linked initiative:** Sagarmala Programme.
- **Way Forward:** Expand integrated digital maritime infrastructure and smart logistics systems.

## PRELIMS BOOSTER BOX

- **Port Performance Index:** Measures efficiency of ports
- **Sector:** Maritime logistics
- **Digital reforms:** Automation and paperless systems
- **Sagarmala:** Port-led development initiative
- **Importance:** Trade and logistics competitiveness
- **Benefit:** Reduced turnaround time and logistics cost
- **Goal:** Globally competitive maritime infrastructure

## PadhAI-GENERATED UPSC MCQ

### Consider the following statements:

1. Efficient ports help improve trade competitiveness and supply-chain efficiency.
2. Digital maritime reforms can reduce logistics delays and improve transparency.
3. Sagarmala Programme focuses on port-led development in India.

### Which of the statements given above is/are correct?

- (a) 1, 2 and 3
- (b) 1 and 2 only
- (c) 2 and 3 only
- (d) 1 only

**Answer: (a)**

### 3. LIGHT-POWERED NANO CATALYST OFFERS SUSTAINABLE, AFFORDABLE PATH FOR MANUFACTURING MEDICINES & CHEMICALS



#### What is a Nano Catalyst?

- I. A catalyst operating at the:
  - A. Nanometer scale to accelerate chemical reactions efficiently
- II. Nano catalysts offer:
  - A. High surface area
  - B. Improved reaction efficiency
  - C. Reduced material usage

#### Key Features of the Technology

- I. Powered by:
  - A. Light energy instead of energy-intensive conventional methods
- II. Enables:
  - A. Cleaner and energy-efficient chemical synthesis
- III. Reduces:
  - A. Production cost and environmental impact

#### Applications

- Pharmaceutical manufacturing
- Fine chemicals production
- Sustainable industrial chemistry
- Environment-friendly chemical processes

#### Importance

- I. Promotes:
  - A. Green and sustainable manufacturing
- II. Supports:
  - A. Low-carbon industrial technologies and innovation

### BACKGROUND / CONTEXT

#### Catalysts

- I. Substances that:
  - A. Speed up chemical reactions without being consumed

#### Nanotechnology

- I. Involves:
  - A. Manipulation of materials at nanoscale dimensions
- II. Used in:
  - A. Medicine
  - B. Electronics
  - C. Energy
  - D. Advanced manufacturing

#### Green Chemistry

- I. Focuses on:
  - A. Reducing hazardous substances and waste in chemical processes
- II. Encourages:

- A. Sustainable and eco-friendly industrial production

## Photocatalysis

- I. Process where:
  - A. Light energy activates catalysts to drive chemical reactions
- II. Helps reduce:
  - A. Energy consumption and pollution

## Pharmaceutical Manufacturing

- I. Requires:
  - A. Efficient and precise chemical synthesis processes
- II. Sustainable technologies can:
  - A. Lower production costs and environmental burden

## KEY HIGHLIGHTS

- **Innovation:** Light-powered nano catalyst.
- **Field:** Nanotechnology and green chemistry.
- **Applications:** Medicines and chemical manufacturing.
- **Energy source:** Light-driven reactions.
- **Importance:** Sustainable and affordable production.
- **Scientific focus:** Photocatalysis and nano engineering.
- **Way Forward:** Scale up green nanotechnology for industrial and pharmaceutical applications.

## PRELIMS BOOSTER BOX

- **Nano catalyst:** Catalyst at nanoscale dimensions
- **Photocatalysis:** Light-driven catalytic reactions
- **Green chemistry:** Eco-friendly chemical processes
- **Application:** Pharmaceutical and chemical industries
- **Benefit:** Lower energy use and pollution
- **Technology area:** Nanotechnology
- **Goal:** Sustainable industrial manufacturing

## PadhAI-GENERATED UPSC MCQ

Consider the following statements:

1. Catalysts accelerate chemical reactions without being consumed in the process.
2. Photocatalysis involves the use of light energy to drive chemical reactions.
3. Green chemistry aims to reduce hazardous waste and improve sustainability in industrial processes.

Which of the statements given above is/are correct?

- (a) 1, 2 and 3
- (b) 1 and 2 only
- (c) 2 and 3 only
- (d) 1 only

**Answer: (a)**

## 4. PENSION ADALAT EMERGES AS RELIABLE PLATFORM FOR REDRESSAL OF LONG-PENDING GRIEVANCES



### What is Pension Adalat?

- I. A special grievance redressal platform aimed at:
  - A. Resolving pension-related issues and disputes
- II. Provides:
  - A. Direct interaction between pensioners and concerned authorities

### Key Objectives

- I. Ensure:
  - A. Speedy disposal of pending pension cases
- II. Improve:
  - A. Transparency and accountability in pension administration
- III. Facilitate:
  - A. Better coordination among departments and pension authorities

### Issues Addressed

- Delay in pension disbursement
- Revision and calculation disputes

- Family pension matters
- Documentation and processing delays

### Importance

- I. Enhances:
  - A. Ease of living for pensioners
- II. Strengthens:
  - A. Trust in public service delivery systems

## BACKGROUND / CONTEXT

### Pension System in India

- I. Pension provides:
  - A. Financial security to retired government employees and eligible beneficiaries

### Grievance Redressal Mechanism

- I. Essential for:
  - A. Efficient public administration and citizen satisfaction
- II. Helps:
  - A. Resolve service-related disputes in a time-bound manner

### Digital Governance and Pension Reforms

- I. Government has introduced:
  - A. Online pension portals
  - B. Digital life certificates
  - C. Integrated pension management systems

### Importance of Pension Welfare

- I. Pensioners represent:

- A. A significant section of senior citizens dependent on timely benefits
- II. Efficient pension systems contribute to:
  - A. Social security and welfare

## KEY HIGHLIGHTS

- **Initiative:** Pension Adalat.
- **Purpose:** Pension grievance redressal.
- **Focus:** Long-pending pension cases.
- **Beneficiaries:** Pensioners and retirees.
- **Approach:** Citizen-centric governance.
- **Importance:** Transparency and timely service delivery.
- **Way Forward:** Expand digital pension governance and strengthen grievance resolution systems.

## PRELIMS BOOSTER BOX

- **Pension Adalat:** Pension grievance resolution platform
- **Focus:** Timely redressal of pension issues
- **Beneficiaries:** Retired employees and pensioners
- **Common issues:** Delays and pension calculation disputes
- **Approach:** Citizen-centric administration
- **Importance:** Social security and welfare
- **Goal:** Efficient and transparent pension services

## PadhAI-GENERATED UPSC MCQ

Consider the following statements:

1. Pension grievance redressal mechanisms help improve transparency and accountability in public administration.
2. Digital pension systems can help reduce delays in pension processing and service delivery.
3. Pension systems contribute to social security for retired employees.

Which of the statements given above is/are correct?

- (a) 1, 2 and 3
- (b) 1 and 2 only
- (c) 2 and 3 only
- (d) 1 only

Answer: (a)

## 5.RAIPUR'S RAINWATER REVOLUTION: HOW COMMUNITY PARTICIPATION IS STRENGTHENING URBAN WATER SECURITY IN CHHATTISGARH



## Key Focus

- I. Promote:
  - A. Rainwater harvesting and water conservation in urban areas
- II. Encourage:
  - A. Active community participation in water management

## Major Features

- Rooftop rainwater harvesting systems
- Groundwater recharge initiatives
- Public awareness campaigns
- Citizen-government collaboration in water conservation

## Importance

- I. Helps address:
  - A. Urban water scarcity and groundwater depletion
- II. Enhances:
  - A. Sustainable urban development and climate resilience

## Significance

- I. Demonstrates:
  - A. Role of decentralized and participatory governance in urban resource management
- II. Encourages:
  - A. Replication of community-driven water conservation models in other cities

## BACKGROUND / CONTEXT

### Rainwater Harvesting

- I. Technique used for:
  - A. Collecting and storing rainwater for future use or groundwater recharge

### Urban Water Security

- I. Refers to:
  - A. Reliable and sustainable availability of water in cities
- II. Challenges include:
  - A. Rapid urbanization
  - B. Groundwater depletion
  - C. Pollution and climate variability

### Community Participation

- I. Involves:
  - A. Citizens, local bodies, and civil society in planning and implementation
- II. Strengthens:
  - A. Accountability and sustainability of conservation efforts

### Groundwater Recharge

- I. Process of:
  - A. Replenishing underground water reserves
- II. Important for:
  - A. Long-term water availability and drought resilience

### Climate Resilience

- I. Water conservation helps cities:
  - A. Adapt to irregular rainfall and extreme weather conditions

## KEY HIGHLIGHTS

- **City:** Raipur, Chhattisgarh.
- **Theme:** Urban water security.
- **Method:** Rainwater harvesting and community participation.
- **Focus:** Groundwater recharge and sustainability.
- **Importance:** Climate resilience and water conservation.
- **Approach:** Participatory urban governance.
- **Way Forward:** Scale up decentralized rainwater management systems across urban India.

3. Community participation can improve sustainability of urban water management initiatives.

**Which of the statements given above is/are correct?**

- (a) 1, 2 and 3
- (b) 1 and 2 only
- (c) 2 and 3 only
- (d) 1 only

**Answer: (a)**

## PRELIMS BOOSTER BOX

- **Rainwater harvesting:** Collection and storage of rainwater
- **Goal:** Water conservation and recharge
- **Urban challenge:** Water scarcity and groundwater depletion
- **Key factor:** Community participation
- **Benefit:** Climate resilience and sustainable development
- **Location:** Raipur, Chhattisgarh
- **Approach:** Decentralized water governance

## PadhAI-GENERATED UPSC

### MCQ

**Consider the following statements:**

1. Rainwater harvesting can help recharge groundwater reserves.
2. Urban water security is influenced by factors such as urbanization and climate variability.