



Daily PIB Summary

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1. MINISTRY OF AYUSH ISSUES PUBLIC HEALTH ADVISORY ON HEATWAVE & EXTREME HEAT CONDITIONS



Key Recommendations

- Stay hydrated and drink sufficient fluids
- Avoid prolonged exposure to direct sunlight
- Wear light and loose cotton clothing
- Consume balanced and cooling foods

Ayush-Based Preventive Measures

- I. Use of traditional wellness practices for:
 - A. Hydration
 - B. Cooling and immunity support
- II. Encouragement of:
 - A. Healthy lifestyle and seasonal routines

Vulnerable Groups Identified

- Elderly persons
- Children
- Outdoor workers
- People with chronic illnesses

Significance

- I. Supports:
 - A. Preventive healthcare approach
 - B. Public preparedness during extreme weather events

BACKGROUND / CONTEXT

Heatwave

- I. Defined as:
 - A. Period of abnormally high temperatures relative to a region's normal conditions
- II. Can lead to:
 - A. Heat exhaustion
 - B. Heatstroke
 - C. Dehydration

Ministry of Ayush

- I. Ministry of Ayush promotes:
 - A. Ayurveda
 - B. Yoga
 - C. Naturopathy
 - D. Unani
 - E. Siddha
 - F. Homoeopathy

Climate & Public Health

- I. Rising temperatures linked with:
 - A. Climate variability and extreme weather events
- II. Heatwaves increasingly affect:
 - A. Public health and productivity

Importance of Public Health Advisories

- I. Help:
 - A. Reduce health risks
 - B. Increase awareness and preparedness

KEY HIGHLIGHTS

- **Ministry:** Ministry of Ayush.
- **Issue:** Heatwave advisory.
- **Focus:** Preventive healthcare.
- **Recommendations:** Hydration and heat protection.
- **Vulnerable groups:** Elderly, children, workers.
- **Concern:** Extreme heat conditions.
- **Way Forward:** Strengthen climate-health preparedness and awareness.

PRELIMS BOOSTER BOX

- **AYUSH:** Traditional systems of medicine
- **Hazard:** Heatwave
- **Risk:** Heatstroke and dehydration
- **Approach:** Preventive healthcare
- **Climate issue:** Extreme weather
- **Focus:** Public awareness
- **Goal:** Health resilience

PadhAI-GENERATED UPSC MCQ

Consider the following statements:

1. Heatwaves can lead to dehydration and heatstroke.

2. The Ministry of Ayush promotes traditional systems of medicine such as Ayurveda and Yoga.
3. Public health advisories are unrelated to disaster preparedness.

Which of the statements given above is/are correct?

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

Answer: (a)

2.NANO-GOLD EMBEDDED IN THIN FILMS PAVES WAY FOR SELF-POWERED SENSORS & WEARABLE ELECTRONICS



What is Innovation?

- I. Thin films embedded with:
 - A. Gold nanoparticles (nano-gold)
- II. Designed to:
 - A. Generate or manage energy for electronic devices

Potential Applications

- Wearable health monitoring devices

- Smart sensors
- Flexible electronics
- Biomedical and environmental monitoring systems

Key Advantages

- Reduced dependence on external batteries
- Lightweight and flexible design
- Enhanced efficiency and miniaturization

Significance

- I. Supports development of:
 - A. Energy-efficient electronics
 - B. Next-generation portable technologies

BACKGROUND / CONTEXT

Nanotechnology

- I. Involves manipulation of materials at:
 - A. Nanometer scale
- II. Used in:
 - A. Electronics
 - B. Medicine
 - C. Energy systems
 - D. Sensors

Nano-Gold

- I. Gold nanoparticles possess:
 - A. Unique electrical and optical properties
- II. Useful in:
 - A. Electronics and biomedical applications

Thin Films

- I. Extremely thin material layers used in:
 - A. Electronic and optical devices
- II. Can improve:
 - A. Conductivity and device flexibility

Wearable Electronics

- I. Devices integrated into:
 - A. Clothing or accessories
- II. Used for:
 - A. Health monitoring
 - B. Fitness tracking
 - C. Smart communication systems

KEY HIGHLIGHTS

- **Technology:** Nano-gold embedded thin films.
- **Field:** Nanotechnology.
- **Applications:** Sensors and wearable electronics.
- **Benefit:** Self-powered functionality.
- **Advantage:** Flexible and lightweight devices.
- **Sector:** Smart electronics and healthcare technology.
- **Way Forward:** Develop scalable and energy-efficient wearable systems.

PRELIMS BOOSTER BOX

- **Nanotechnology:** Manipulation at nanoscale
- **Nano-gold:** Gold nanoparticles
- **Thin films:** Ultra-thin material layers
- **Application:** Wearable electronics
- **Benefit:** Self-powered devices
- **Sector:** Smart sensors
- **Goal:** Energy-efficient electronics

PadhAI-GENERATED UPSC MCQ

Consider the following statements:

1. Nanotechnology deals with materials at the nanometer scale.
2. Gold nanoparticles have applications in electronics and biomedical technologies.
3. Wearable electronics are unrelated to health monitoring systems.

Which of the statements given above is/are correct?

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

Answer: (a)

3.MoRD CHARTS ROADMAP FOR WOMEN-LED RURAL MARKETING ECOSYSTEMS THROUGH SHE-MARTs



ग्रामीण विकास मंत्रालय
भारत सरकार
**MINISTRY OF RURAL
DEVELOPMENT**
GOVERNMENT OF INDIA

What are SHE-MARTs?

- I. Dedicated marketing platforms for:
 - A. Women-led rural products and enterprises

Objectives

- Strengthen rural women entrepreneurship
- Improve market linkages for SHGs
- Promote local products and livelihoods

Focus Areas

- Handicrafts and handloom products
- Agro-based and food products
- Digital and physical marketing channels

Expected Benefits

- Higher income opportunities for rural women
- Greater financial inclusion
- Strengthened rural economy and local value chains

Significance

- I. Supports:
 - A. Women-led development
 - B. Inclusive rural growth
 - C. Sustainable livelihoods

BACKGROUND / CONTEXT

Ministry of Rural Development (MoRD)

- I. Ministry of Rural Development:
 - A. Responsible for rural development and livelihood programmes

Self-Help Groups (SHGs)

- I. Community-based groups promoting:
 - A. Savings

- B. Credit access
 - C. Entrepreneurship
- II. Important component of:
- A. Rural livelihood missions

- **Goal:** Rural women empowerment
- **Benefit:** Market access and livelihoods
- **Theme:** Inclusive rural growth

DAY-NRLM

- I. Deendayal Antyodaya Yojana – National Rural Livelihoods Mission:
 - A. Focuses on poverty reduction through SHG-based livelihoods

Importance of Rural Marketing Ecosystems

- I. Help:
 - A. Connect rural producers to wider markets
 - B. Increase product visibility and income generation

KEY HIGHLIGHTS

- **Ministry:** MoRD.
- **Initiative:** SHE-MARTs.
- **Focus:** Women-led rural marketing.
- **Beneficiaries:** SHGs and rural women entrepreneurs.
- **Sector:** Rural livelihoods and local products.
- **Importance:** Financial and economic empowerment.
- **Way Forward:** Expand digital and market connectivity for rural enterprises.

PadhAI-GENERATED UPSC MCQ

Consider the following statements:

1. Self-Help Groups promote savings and entrepreneurship among rural communities.
2. DAY-NRLM focuses on livelihood enhancement through SHGs.
3. Rural marketing ecosystems have no role in improving income opportunities for local producers.

Which of the statements given above is/are correct?

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

Answer: (a)

PRELIMS BOOSTER BOX

- **MoRD:** Ministry of Rural Development
- **SHE-MARTs:** Women-led marketing platforms
- **SHGs:** Self-Help Groups
- **Mission:** DAY-NRLM

4.HINDUSTAN ZINC'S RAJASTHAN OPERATIONS REFLECT INDIA'S VISION FOR VIKSIT BHARAT: G. KISHAN REDDY



Key Themes Highlighted

- Sustainable mining and mineral development
- Industrial modernization
- Employment generation and economic growth

Importance of Hindustan Zinc Operations

- I. Contribute to:
 - A. Domestic mineral production
 - B. Industrial value chains
 - C. Export potential

Focus Areas

- Advanced mining technologies
- Environmental sustainability
- Resource efficiency
- Community development initiatives

Significance

- I. Supports:
 - A. Self-reliance in critical minerals
 - B. Manufacturing and infrastructure sectors
 - C. Vision of developed India ("Viksit Bharat")

BACKGROUND / CONTEXT

Hindustan Zinc Limited

- I. Hindustan Zinc Limited:
 - A. Major producer of zinc, lead, and silver
- II. Operations concentrated in:
 - A. Rajasthan

Importance of Zinc

- I. Used in:
 - A. Galvanization of steel
 - B. Infrastructure
 - C. Batteries and industrial manufacturing

Mining Sector in India

- I. Important for:
 - A. Industrial growth
 - B. Energy transition minerals
 - C. Employment and exports

Viksit Bharat Vision

- I. Refers to:
 - A. India's long-term goal of becoming a developed nation through:
 1. Economic growth
 2. Innovation

3. Infrastructure and sustainability

KEY HIGHLIGHTS

- **Company:** Hindustan Zinc Limited.
- **State:** Rajasthan.
- **Sector:** Mining and minerals.
- **Focus:** Sustainable industrial development.
- **Minerals:** Zinc, lead, silver.
- **National vision:** Viksit Bharat.
- **Way Forward:** Promote technology-driven and environmentally responsible mining.

PRELIMS BOOSTER BOX

- **Company:** Hindustan Zinc Limited
- **State:** Rajasthan
- **Mineral:** Zinc
- **Use:** Steel galvanization and industry
- **Theme:** Sustainable mining
- **National goal:** Viksit Bharat
- **Importance:** Industrial growth and self-reliance

PadhAI-GENERATED UPSC MCQ

Consider the following statements:

1. Zinc is widely used in galvanization of steel.
2. Rajasthan is an important mining state in India.
3. Sustainable mining practices are unrelated to industrial development.

Which of the statements given above is/are correct?

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

Answer: (a)

5. BRICS MEETING FOCUSES ON STRENGTHENING ALTERNATIVE DISPUTE RESOLUTION (ADR)



Key Focus Areas

- I. Promotion of:
 - A. Mediation
 - B. Arbitration
 - C. Institutional capacity building

Objectives

- Improve access to efficient dispute resolution
- Reduce burden on traditional court systems
- Enhance international legal cooperation

Areas of Cooperation

- Training and skill development
- Exchange of best practices

- Strengthening ADR institutions

Significance

- I. Encourages:
 - A. Faster and cost-effective dispute settlement
 - B. Better business and investment climate
- II. Supports:
 - A. International commercial cooperation among BRICS nations

BACKGROUND / CONTEXT

BRICS

- I. BRICS:
 - A. Grouping of:
 1. Brazil
 2. Russia
 3. India
 4. China
 5. South Africa
- II. Focuses on:
 - A. Economic, political, and institutional cooperation

Alternative Dispute Resolution (ADR)

- I. Refers to:
 - A. Mechanisms outside conventional courts for resolving disputes

Major ADR Methods

- Arbitration
- Mediation
- Conciliation

Importance of ADR

- I. Advantages:
 - A. Faster resolution
 - B. Lower costs
 - C. Reduced judicial burden
 - D. Confidential proceedings

ADR in India

- I. Supported under:
 - A. Arbitration and Conciliation Act, 1996
- II. Increasingly important for:
 - A. Commercial and international disputes

KEY HIGHLIGHTS

- **Forum:** BRICS Justice Ministers' Meeting.
- **Theme:** Alternative Dispute Resolution.
- **Methods:** Mediation and arbitration.
- **Goal:** Capacity building and cooperation.
- **Importance:** Faster dispute resolution.
- **Benefit:** Improved business environment.
- **Way Forward:** Strengthen institutional ADR frameworks globally.

PRELIMS BOOSTER BOX

- **BRICS:** Multilateral grouping
- **ADR:** Alternative Dispute Resolution
- **Methods:** Arbitration and mediation
- **Indian law:** Arbitration and Conciliation Act, 1996
- **Benefit:** Reduced court burden
- **Focus:** Legal cooperation
- **Goal:** Efficient dispute settlement

PadhAI-GENERATED UPSC MCQ

Consider the following statements:

1. Arbitration and mediation are forms of Alternative Dispute Resolution (ADR).
2. ADR mechanisms can reduce the burden on traditional courts.
3. BRICS is a grouping focused only on military cooperation.

Which of the statements given above is/are correct?

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

Answer: (a)