



Daily PIB Summary

20 Aug, 2026

Welcome to PadhAI

Your Partner in Smart UPSC Preparation

You're holding a resource designed to cut through the noise and bring you **only what truly matters** for the exam. At PadhAI, we believe preparation should be clear, focused, and time-efficient — never overwhelming.

At PadhAI, we build everything around one philosophy:

"Learn only what matters.

Learn it the right way.

Learn it at the right time."

With a rapidly growing community of 5 lakh+ aspirants, PadhAI has become a trusted space for disciplined learning and daily practice

We bring you:

- Concise Monthly Magazines
- Daily PIB Summaries @ 9 PM
- Daily MCQs + Mains Practice
- High-yield, exam-ready content
- APP features - duel competition, fast mains answer review, daily news article summary, PYQs, MCQs PRACTICE, AI tutor (based on highly yield content From UPSC topper insight, and various trusted websites). Many more feature which will improve your preparation and save your time automatically.

Join our Telegram community and download the PadhAI App to experience structured guidance, supportive peers, and consistent motivation — everything a serious aspirant needs

Welcome to a smarter way of preparing.

Welcome to PadhAI.



[Click here](#) to join our Telegram channel

Scan the QR code or just click on it to download the app

1. INDIA-JAPAN DEEPEN DEFENCE COOPERATION FOR A FREE AND OPEN INDO-PACIFIC



- India and Japan reaffirmed their commitment to a **Free and Open Indo-Pacific** under the Special Strategic and Global Partnership.
- Maritime cooperation will expand through **Maritime Domain Awareness (MDA)**, **HADR**, **SAR**, **naval exercises and logistics support**.
- Both sides will explore **joint naval shipbuilding and design**, leveraging Japanese technology and Indian production capabilities.
- Defence-industrial cooperation will advance through the **UNICORN integrated communications antenna** project and greater R&D collaboration.
- Exercises such as **Dharma Guardian**, **JAIMEX** and **Veer Guardian 26** will be further enhanced, including unmanned systems.
- India and Japan will strengthen cooperation with third countries and through the **Indo-Pacific Logistics Network (IPLN)**.
- A new **Director-General/Joint Secretary-level Working Group** will coordinate cooperation across operational, intelligence, technology and industrial domains.

BACKGROUND / CONTEXT

India-Japan Strategic Partnership

- India and Japan share a **Special Strategic and Global Partnership**.
- Defence cooperation has expanded through:
 - Military exercises

- Maritime security
- Defence technology
- Logistics cooperation
- Indo-Pacific initiatives

Maritime Security

- The new arrangement focuses on:
 - MDA**
 - Search and Rescue (SAR)
 - Humanitarian Assistance and Disaster Relief (HADR)
 - Naval ship visits and exercises
 - Port access and repair facilities
 - Protection of **Sea Lines of Communication (SLOCs)**

KEY HIGHLIGHTS

- **Maritime Cooperation:** New framework for deeper India-Japan maritime security cooperation.
- **Defence Industry:** Exploration of joint naval shipbuilding and design.
- **Technology:** UNICORN antenna project identified as the first defence equipment transfer project between the two countries.
- **Exercises:** Dharma Guardian, JAIMEX and Veer Guardian 26 to be strengthened.
- **Logistics:** Greater cooperation through IPLN for disaster-response support.
- **R&D:** DRDO-ATLA cooperation in advanced defence technologies.
- **Regional Security:** Cooperation aimed at maintaining Indo-Pacific peace, stability and freedom of navigation.
- **Institutional Mechanism:** New Working Group for integrated coordination of defence cooperation.

PRELIMS BOOSTER BOX

- **Partnership:** India-Japan Special Strategic and Global Partnership.
- **MDA:** Maritime Domain Awareness.
- **HADR:** Humanitarian Assistance and Disaster Relief.
- **SAR:** Search and Rescue.
- **SLOCs:** Sea Lines of Communication.
- **Dharma Guardian:** India-Japan Army exercise.
- **JAIMEX:** India-Japan Maritime Exercise.



- **Veer Guardian:** India-Japan Air Force exercise.
- **UNICORN:** Shipborne integrated communications antenna system.
- **DRDO:** Defence Research and Development Organisation.
- **ATLA:** Japan's Acquisition, Technology & Logistics Agency.
- **IPLN:** Indo-Pacific Logistics Network.
- **2+2 Dialogue:** Foreign and Defence Ministers of India and Japan.
- **Key Regional Objective:** Free and Open Indo-Pacific.

PadhAI-GENERATED UPSC MCQ

Consider the following statements regarding India-Japan defence cooperation:

1. Dharma Guardian is an India-Japan Army exercise.
2. JAIMEX is a maritime exercise between India and Japan.
3. The UNICORN project concerns a shipborne integrated communications antenna system.

Which of the statements given above is/are correct?

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

Answer: (d)

2. CMLRE RELEASES NATIONAL REPORT ON DEEP-SEA AND DISTANT-WATER FISHERY RESOURCES



- The report assesses deep-sea and distant-water fishery resources across India's **2.37 million sq km EEZ**.
- It identifies potentially underexploited resources including **deep-sea shrimps, perches, flatfishes, eels, tunas, sharks and oceanic squids**.
- The **mesopelagic or "twilight zone" (200–1,000 m)** is highlighted for its role in the oceanic biological carbon pump.
- Ecologically important areas such as **Kollam Bank, Angria Bank, Lakshadweep and Andaman-Nicobar waters** are identified for conservation attention.
- Integration of **eDNA, fisheries acoustics, satellites, AI and ecosystem modelling** can improve marine resource assessment.
- The report strengthens scientific support for **sustainable fisheries, marine spatial planning and food security**.
- It links marine resource development with biodiversity conservation under India's broader **Blue Economy** vision.

BACKGROUND / CONTEXT

Indian EEZ

- India's Exclusive Economic Zone extends up to **200 nautical miles** from its baseline.
- India has an EEZ of approximately **2.37 million sq km**.
- Within the EEZ, India has sovereign rights for exploring, exploiting, conserving and managing natural resources.

Deep-Sea & Mesopelagic Resources

- **Deep-sea demersal resources:** Species living near or on the seabed, particularly along the continental slope.
- **Mesopelagic zone:** Ocean layer from approximately **200–1,000 metres**.
- Many organisms in this zone migrate vertically between deeper and shallower waters, contributing to the **biological carbon pump**.

CMLRE

- CMLRE functions under the **Ministry of Earth Sciences (MoES)**.
- It undertakes research on marine living resources, ocean ecosystems and fisheries.

KEY HIGHLIGHTS

- **Research Base:** Over 400 oceanographic cruises since the early 1990s.
- **Research Vessel:** FORV *Sagar Sampada* served as a major platform for marine surveys.
- **Resource Assessment:** Deep-sea and distant-water fishery resources mapped across India's EEZ and adjoining waters.
- **Technology:** eDNA, AI, satellite observations and autonomous platforms enhance marine monitoring.
- **Conservation:** Biodiversity hotspots and vulnerable habitats identified for better management.
- **Blue Economy:** Supports sustainable fisheries, food security and marine-sector growth.
- **Challenge:** Preventing overexploitation of deep-sea resources and protecting fragile ecosystems.
- **Way Forward:** Science-based quotas, ecosystem-based fisheries management and stronger marine spatial planning.

PRELIMS BOOSTER BOX

- **CMLRE:** Centre for Marine Living Resources & Ecology.
- **Ministry:** Ministry of Earth Sciences.
- **Indian EEZ:** Approx. **2.37 million sq km**.
- **EEZ Extent:** Up to **200 nautical miles**.
- **Mesopelagic Zone:** **200–1,000 m** depth.
- **Biological Carbon Pump:** Oceanic process transferring carbon from surface waters to deeper ocean through biological activity.
- **FORV Sagar Sampada:** Indian Fishery and Oceanographic Research Vessel.
- **Key Technologies:** eDNA, fisheries acoustics, satellite observations, AI and ecosystem modelling.
- **SDG Linkage:** **SDG 14 – Life Below Water**.
- **Blue Economy:** Sustainable use of ocean resources for economic growth, livelihoods and ecosystem health.

PadhAI-GENERATED UPSC MCQ

Consider the following statements:

1. India's Exclusive Economic Zone extends up to 200 nautical miles from its baseline.

2. The mesopelagic zone generally extends from 200 to 1,000 metres below the ocean surface.
3. Organisms in the mesopelagic zone have no role in the oceanic carbon cycle.

Which of the statements given above is/are correct?

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

Answer: (b)

3. GLOBAL DIGITAL CAPACITY BUILDING ALLIANCE: BUILDING A GLOBAL PLATFORM FOR STATE CAPABILITY



- GDCBA seeks to strengthen **capable, adaptive and technology-enabled public institutions** globally.
- It builds on India's experience with **Mission Karmayogi**, extending competency-based and digital capacity building to an international platform.
- Its four goals include institutional capability, evidence-based capacity-building decisions, a global governance community of practice and a repository of implementation knowledge.
- The Alliance has engaged **10 countries and 250+ public officials** within its first six months.
- It brings together governments, multilateral institutions, academia, industry, civil society and the **Digital Public Infrastructure (DPI)** ecosystem.
- The initiative promotes **knowledge exchange and peer learning** rather than a one-size-fits-all model of administrative reform.

- It can strengthen international cooperation on citizen-centric governance and effective delivery of public services.

BACKGROUND / CONTEXT

Global Digital Capacity Building Alliance

- **Launched:** 20 February 2026.
- **Institution:** Capacity Building Commission, Government of India.
- **Platform:** International cooperation on public-sector capacity building.
- **Approach:** Training + institutional systems + digital ecosystems + knowledge sharing.

Mission Karmayogi

- India's **National Programme for Civil Services Capacity Building**.
- Focuses on **competency-based learning, digital infrastructure and a whole-of-government approach**.
- GDCBA seeks to take these lessons to the international level.

KEY HIGHLIGHTS

- **Institutional Mechanism:** Capacity Building Commission-led global platform.
- **Global Reach:** Engagement across 10 countries with 250+ public officials.
- **Knowledge Sharing:** Workshops, roundtables, policy forums and case-study exchange.
- **Digital Governance:** Promotes technology-enabled and adaptive public institutions.
- **Partnership:** Involves governments, World Bank, UNICEF, ADBI and other institutions.
- **Future Initiatives:** Global frameworks, playbooks, toolkits, annual Summit and State of Capacity Building Report.
- **Strategic Significance:** Positions India's public-sector capacity-building experience as a global knowledge resource.
- **Way Forward:** Deepen country partnerships, develop evidence-based frameworks and strengthen institutional learning ecosystems.

PRELIMS BOOSTER BOX

- **GDCBA:** Global Digital Capacity Building Alliance.

- **Lead Institution:** Capacity Building Commission (CBC).
- **Launch:** 20 February 2026, India AI Impact Summit, New Delhi.
- **Mission Karmayogi:** National Programme for Civil Services Capacity Building.
- **First-six-month reach:** 10 countries; 250+ public officials.
- **Core Concepts:** Competency-based learning, institutional capability, digital capacity, evidence-based governance.
- **Partners:** World Bank, UNICEF, ADBI, Commonwealth, Gates Foundation, NCGG, RIS, among others.
- **Planned Outputs:** Annual Summit + **State of Capacity Building Report**.
- **Governance Focus:** Capable, ethical, adaptive and citizen-centric public institutions.

PadhAI-GENERATED UPSC MCQ

Consider the following statements regarding the Global Digital Capacity Building Alliance (GDCBA):

1. It is an initiative of India's Capacity Building Commission.
2. It builds on the experience of Mission Karmayogi.
3. It is restricted to training civil servants of the Government of India.

Which of the statements given above is/are correct?

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

Answer: (b)

4. TDB-DST SUPPORTS COMMERCIALISATION OF INDIGENOUS AGENTIC AI TECHNOLOGY



- Agentic AI refers to AI systems capable of **planning, reasoning and executing tasks with limited human intervention**.
- TDB support seeks to bridge the gap between technological innovation and **commercial deployment**.
- Indigenous AI capabilities can reduce dependence on foreign technologies and strengthen India's **technology sovereignty**.
- Agentic AI has potential applications across enterprise automation, decision support, software development and public services.
- Commercialisation can promote **start-ups, skilled employment, private R&D and technology-led economic growth**.
- The initiative reflects India's broader push towards developing domestic capabilities in **emerging and strategic technologies**.

BACKGROUND / CONTEXT

Agentic AI

- Agentic AI systems differ from conventional AI applications by being designed to:
 - Understand objectives
 - Plan multi-step tasks
 - Use tools/data
 - Execute actions
 - Adapt based on outcomes

Technology Development Board

- TDB is a statutory body under the **Department of Science & Technology (DST)**.
- It provides financial assistance for the **commercialisation of indigenous technology** and adaptation of imported technology.

Technology Commercialisation

- The innovation pipeline broadly involves: **Research → Prototype → Validation → Commercialisation → Scale-up**
- TDB support helps address the financing gap between technological development and market deployment.

KEY HIGHLIGHTS

- **Technology:** Indigenous Agentic AI.
- **Support:** Technology Development Board under DST.
- **Beneficiary:** One2X Tech Pvt. Ltd., Delhi.
- **Objective:** Commercialisation and market deployment of domestic AI technology.
- **Strategic Significance:** Strengthens India's AI capabilities and technology self-reliance.
- **Economic Impact:** Supports start-ups, innovation, investment and high-skilled employment.
- **Challenge:** AI safety, reliability, cybersecurity, data governance and accountability.
- **Way Forward:** Promote responsible AI, indigenous R&D, compute infrastructure, skilled manpower and industry-academia collaboration.

PRELIMS BOOSTER BOX

- **TDB:** Technology Development Board.
- **Parent Ministry:** Department of Science & Technology, Ministry of Science & Technology.
- **Legal Status:** Statutory body established under the **Technology Development Board Act, 1995**.
- **Core Function:** Financial assistance for commercialisation of indigenous technology.
- **Agentic AI:** AI capable of pursuing objectives through planning, reasoning and autonomous/semi-autonomous action.
- **Generative AI vs Agentic AI:** Generative AI primarily creates content; agentic AI can additionally plan and execute multi-step tasks.

- **Key Governance Concerns:** Transparency, accountability, safety, cybersecurity and human oversight.

PadhAI-GENERATED UPSC MCQ

Consider the following statements regarding Agentic AI and the Technology Development Board:

1. Agentic AI systems can be designed to plan and execute multi-step tasks.
2. The Technology Development Board supports the commercialisation of indigenous technologies.
3. The Technology Development Board is a constitutional body established directly under the Constitution of India.

Which of the statements given above is/are correct?

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

Answer: (b)

5. PRADHAN MANTRI JANJATIYA VIKAS MISSION



- PMJVM seeks to create sustainable livelihoods for tribal communities through **value addition, processing and marketing**.
- It promotes tribal entrepreneurship by strengthening **Van Dhan Vikas Kendras (VDVKs)** and tribal producer organisations.
- The Mission helps tribal gatherers move from selling raw produce to participating in higher-value stages of the supply chain.
- Better market access can increase **income realisation and livelihood security** among tribal communities.

- The initiative also promotes sustainable utilisation of forest-based resources while supporting local economic development.
- It aligns tribal development with **Aatmanirbhar Bharat, local value chains and inclusive growth**.

BACKGROUND / CONTEXT

Pradhan Mantri Janjatiya Vikas

Mission

- PMJVM is implemented by the **Ministry of Tribal Affairs** through the **Tribal Cooperative Marketing Development Federation of India (TRIFED)**.
- It integrates initiatives related to:
 - A. Minor Forest Produce
 - B. Tribal entrepreneurship
 - C. Value addition
 - D. Market development
 - E. Livelihood generation

Van Dhan Vikas Kendras

- VDVks support tribal communities in **collecting, processing, packaging and marketing MFP and other tribal products**.
- They seek to convert traditional knowledge and locally available resources into sustainable income opportunities.

KEY HIGHLIGHTS

- **Objective:** Strengthen tribal livelihoods and entrepreneurship.
- **Focus:** MFP, value addition, processing and market access.
- **Institutional Mechanism:** Ministry of Tribal Affairs + TRIFED.
- **VDVKs:** Community-level centres supporting value addition and marketing.
- **Economic Impact:** Higher value realisation and livelihood diversification.
- **Social Impact:** Greater participation of tribal communities in formal markets.
- **Sustainability:** Promotes responsible utilisation of forest resources.
- **Way Forward:** Improve processing infrastructure, branding, e-commerce access and institutional credit.

PRELIMS BOOSTER BOX



- **PMJVM:** Pradhan Mantri Janjatiya Vikas Mission.
- **Nodal Ministry:** Ministry of Tribal Affairs.
- **Implementing Agency:** TRIFED.
- **TRIFED:** Tribal Cooperative Marketing Development Federation of India.
- **VDVK:** Van Dhan Vikas Kendra.
- **MFP:** Minor Forest Produce.
- **Core Approach:** Collection → Value Addition → Processing → Branding → Marketing.
- **Target Group:** Tribal communities, particularly forest-dependent tribal gatherers.
- **Key Objective:** Increase tribal income through value addition and market linkage.

PadhAI-GENERATED UPSC MCQ

Consider the following statements regarding the Pradhan Mantri Janjatiya Vikas Mission:

1. It focuses on strengthening tribal livelihoods through value addition and marketing of Minor Forest Produce.
2. Van Dhan Vikas Kendras are associated with tribal entrepreneurship and value addition.
3. TRIFED functions under the Ministry of Tribal Affairs in implementing tribal livelihood initiatives.

Which of the statements given above is/are correct?

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

Answer: (d)