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DAILY QUIZ — SOLVED

Daily Quiz — February 28, 2026

28 February 2026

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28 February 2026 · 10 Questions · Answers & Explanations Included

Q 1 Micron Technology's ATMP facility inaugurated in February 2026 is located in which city of Gujarat?

A Ahmedabad

B Surat

C Sanand ✓

D Rajkot

EXPLANATION

Micron Technology's ATMP (Assembly, Testing, Marking and Packaging) facility is located in Sanand, Gujarat — it houses the world's largest single semiconductor assembly clean room (500,000 sq ft, Class 1000 rating).

CONCEPT

ATMP is the back-end phase of semiconductor manufacturing (assembly and testing), distinct from front-end wafer fabrication. India's semiconductor policy is implemented through the India Semiconductor Mission (ISM) under MeitY with a Rs. 76,000 crore outlay and 50% capital subsidy. Other approved projects: Tata (Dholera), CG Power (Sanand).

Q 2 INS Anjadip, commissioned in February 2026, is the fourth vessel of which programme?

A Project 17A (P17A) Frigate Programme

B Anti-Submarine Warfare Shallow Water Craft (ASW-SWC) ✓

C Scorpene-class submarine programme

D Landing Platform Dock (LPD) programme

EXPLANATION

INS Anjadip is the fourth vessel of the Anti-Submarine Warfare Shallow Water Craft (ASW-SWC) programme, built by GRSE Kolkata and L&T Shipbuilding Kattupalli, with over 80% indigenous content.

CONCEPT

Garden Reach Shipbuilders and Engineers (GRSE), Kolkata is a PSU under Ministry of Defence and India's leading warship builder. ASW-SWC vessels are named after Indian islands: INS Arnala (Maharashtra), INS Androth (Lakshadweep), INS Anjadip (near Karwar, Karnataka). The programme targets shallow coastal (littoral) submarine detection.

Q 3 The world's oldest known rock art, dated to at least 67,800 years, was found in which country?

- A Australia
- B France
- C South Africa
- D Indonesia ✓

EXPLANATION

The Liang Metanduno cave on Muna Island, Sulawesi, Indonesia contains a hand stencil dated to at least 67,800 years — the oldest confirmed rock art globally, surpassing the earlier Sulawesi Maros-Pangkep record by over 16,000 years.

CONCEPT

Dating method: uranium series dating on calcite crust overlying the art (laser ablation technique). The discovery supports the ~65,000-year human migration timeline to Sahul (ancient Australia-New Guinea-Tasmania landmass). India's oldest rock art: Bhimbetka, Madhya Pradesh (~30,000 BCE), UNESCO World Heritage Site since 2003.

Q 4 The Boreal Summer Intraseasonal Oscillation (BSISO), linked to moist heatwave prediction in India, has a cycle of approximately how many days?

- A 7-14 days
- B 15-25 days
- C 30-90 days ✓
- D 120-180 days

EXPLANATION

BSISO (Boreal Summer Intraseasonal Oscillation) operates on a 30-90 day cycle and influences monsoon variability. Certain BSISO phases increase northern India moist heatwave risk by over 125% above baseline, enabling 2-4 week advance forecasting.

CONCEPT

Wet bulb temperature combines heat and humidity stress. Conventional survivability threshold: 35°C. New research shows lower limits: 25.8-34.1°C (younger adults), 21.9-33.7°C (older adults). During active monsoon, northern plains/central India are at higher risk; during break phases, southern/eastern India is more vulnerable.

Q 5

INS Anjadip, the third ASW Shallow Water Craft (SWC) commissioned in February 2026, was built by which Indian shipyard?

- A Mazagon Dock Shipbuilders, Mumbai
- B Garden Reach Shipbuilders and Engineers, Kolkata ✓**
- C L&T Shipbuilding, Kattupalli
- D Hindustan Shipyard Ltd, Visakhapatnam

EXPLANATION

INS Anjadip (Yard 2097) was built by Garden Reach Shipbuilders and Engineers (GRSE), Kolkata, and is the third ASW Shallow Water Craft (SWC) commissioned in the P-1241 series. The first two are INS Arnala and INS Akshay. ASW SWCs are designed to hunt and destroy submarines in littoral/shallow coastal waters.

CONCEPT

India has four main naval shipbuilders: MDL (Mumbai) — submarines and destroyers; GRSE (Kolkata) — frigates, corvettes, ASW craft; CSL (Cochin) — aircraft carrier INS Vikrant; HSL (Vizag) — repair and patrol. GRSE holds the record for highest number of ships delivered to Indian Navy. P-1241 ASW SWC programme: 16 vessels total, replacing older Abhay class. Anti-Submarine Warfare (ASW) is a critical naval capability given Pakistan and China submarine fleets in Indian Ocean Region.

Q 6

Mission Basundhara, a land rights distribution scheme, belongs to which state?

- A Tripura
- B Assam ✓**
- C Meghalaya
- D Arunachal Pradesh

EXPLANATION

Mission Basundhara is Assam's flagship land rights programme. Version 3.0, launched by CM Himanta Biswa Sarma at Deuri Beel (Dhemaji), distributed land pattas to over 1,06,905 families including 538 forest land rights beneficiaries under Forest Rights Act.

CONCEPT

Mission Basundhara progression: 1.0 (5.82 lakh families - patta conversions), 2.0 (2.29 lakh families - SC/ST/OBC on govt land), 3.0 (1.06 lakh families + forest rights). ~80% of state land issues resolved across all phases. Related central scheme: SVAMITVA (Survey of Villages Abadi and Mapping with Improved Technology in Village Areas).

Q 7 National Waterway 2 (NW-2) designates which river?

A Ganga

B Brahmaputra ✓

C Barak

D Mahanadi

EXPLANATION

National Waterway-2 (NW-2) designates the River Brahmaputra in Assam, designated under the National Waterways Act, 2016. The three projects launched by Minister Sonowal include Bogibeel (customs/immigration), Dhubri (trade gateway to Bangladesh-Bhutan), and Dibrugarh (heritage renovation).

CONCEPT

India has designated 111 inland waterways as National Waterways, of which 20 are in Northeast India. Inland Waterways Authority of India (IWAI) manages national waterway infrastructure. The Indo-Bangladesh Protocol facilitates cargo movement between the two countries along shared river routes.

Q 8 The Nari Adalat scheme being piloted in Tripura is administered by which Union ministry?

A Ministry of Women and Child Development ✓

B Ministry of Home Affairs

C Ministry of Social Justice and Empowerment

D Ministry of Panchayati Raj

EXPLANATION

Nari Adalat is administered by the Union Ministry of Women and Child Development (MoWCD). It is a panchayat-level arbitration forum with up to 9 community members addressing violence and abuse against women through mediation and early intervention, piloted across all 8 districts of Tripura.

CONCEPT

Alternative Dispute Resolution (ADR) mechanisms include Lok Adalats (under Legal Services Authorities Act, 1987), Gram Nyayalayas, and Nari Adalats. Nari Adalat is a community-based grievance redressal forum, not a formal court. The Ministry of Women and Child Development also administers POSHAN Abhiyaan, Beti Bachao Beti Padhao, and the Protection of Women from Domestic Violence Act. Tripura piloted across all 8 districts (10 gram panchayats). ADR reduces burden on formal courts where India has 5+ crore pending cases.

Q 9

Mangaluru International Airport won the ACI ASQ Best Airport at Arrivals award for how many consecutive years as of 2025?

- A First time
- B Second consecutive year ✓
- C Third consecutive year
- D Fourth consecutive year

EXPLANATION

Mangaluru International Airport won the ACI World Airport Service Quality (ASQ) award for Best Airport at Arrivals for the second consecutive year (2024 and 2025). It is managed by Adani Airport Holdings Limited and is one of only 6 airports globally in this category.

CONCEPT

ACI = Airports Council International - global trade body for airport operators. ASQ measures real-time passenger satisfaction through independent surveys. Adani Airport Holdings operates 8 airports in India: Mumbai, Ahmedabad, Lucknow, Mangaluru, Jaipur, Thiruvananthapuram, Guwahati, Navi Mumbai (under construction).

Q 10

The T-NEST innovation hub launched in Tripura signed an MOU with which national innovation hub for collaboration?

- A IIM Bangalore
- B T-Hub (Hyderabad) ✓
- C NSRCEL (IIM Bangalore)
- D CIIE (IIM Ahmedabad)

EXPLANATION

T-NEST (Tripura: Nurturing Entrepreneurship and Startups) signed an MOU with T-Hub, Hyderabad for national-level collaboration, knowledge sharing, and access to broader innovation ecosystems. It was launched under AIM 2.0 (Atal Innovation Mission 2.0) of NITI Aayog.

CONCEPT

T-Hub is India's largest startup incubator, set up by Government of Telangana in Hyderabad. Atal Innovation Mission (AIM) under NITI Aayog runs Atal Tinkering Labs (ATLs), Atal Incubation Centres (AICs), and Atal Community Innovation Centres. AIM 2.0 includes State Support Mission for state-level ecosystems. NITI Aayog replaced Planning Commission in 2015.

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