



The Current Affairs Quiz

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Saturday, 03 October 2026

- 1. What major legal principle regarding statehood is affirmed by the UN Declaration on Sea Level Rise, held recently in September 2026?**
(A) Statehood ends after permanent coastal flooding
(B) Statehood depends only on the size of land territory
(C) Statehood continues despite sea-level rise
(D) Statehood must be renewed every decade
(E) Statehood transfers automatically to another State
- 2. What is the name of the glacial lake where Uttarakhand's first early-warning system has been installed?**
(A) Hemkund Tal (B) Roopkund
(C) Satopanth Tal (D) Vasundhara Tal
(E) Dodital
- 3. On which date did the Union Public Service Commission complete 100 years?**
(A) 01 October 2026 (B) 02 October 2026
(C) 03 October 2026 (D) 04 October 2026
(E) 05 October 2026
- 4. Against which team did Shubman Gill break the record for the fastest double-century in men's ODI cricket in 2026?**
(A) Australia (B) West Indies
(C) England (D) South Africa
(E) New Zealand
- 5. Mandar, a traditional folk percussion instrument that received a Geographical Indication tag in 2026, is associated with which Indian state?**
(A) Jharkhand (B) Chhattisgarh
(C) Odisha (D) Bihar
(E) West Bengal
- 6. International Translation Day, observed on 30 September 2026, is associated with the feast day of which historical figure?**
(A) Saint Augustine (B) Saint Peter
(C) Saint Thomas (D) Saint Jerome
(E) Saint Benedict
- 7. Fatima Ezzahra El Mansouri became the first woman to head the government of which country in September 2026?**
(A) Tunisia (B) Morocco
(C) Algeria (D) Jordan
(E) Egypt
- 8. Which country won the gold medal in the women's compound team archery event at the 2026 Asian Games?**
(A) China (B) South Korea
(C) India (D) Japan
(E) Chinese Taipei
- 9. Barda Wildlife Sanctuary is being developed as a second habitat for which endangered species?**
(A) Asiatic lion (B) Bengal tiger
(C) Indian leopard (D) Asiatic wild buffalo
(E) Snow leopard
- 10. Which indigenous Indian aero-engine programme recently recorded a peak dry thrust of 48.5 kN during trials in Russia?**
(A) Kaveri (B) Manik
(C) Shakti (D) Hansa
(E) Saras

1-{C} - 2-{D} - 3-{A} - 4-{B} - 5-{A} - 6-{D} - 7-{B} - 8-{C} - 9-{A} - 10-{A}



Bhupesh Kumar, Chief Mentor, Career Planner Alliance Club is felicitated for his outstanding contribution in the field of education by His Excellency **Rajendra Vishwanath Arlekar**, Governor of Bihar.



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- हाल ही में सितंबर 2026 में समुद्र के जलस्तर में वृद्धि पर UN के घोषणापत्र में राज्य का दर्जा बनाए रखने के संबंध में किस मुख्य कानूनी सिद्धांत की पुष्टि की गई है?
(A) तटीय इलाकों में स्थायी रूप से बाढ़ आने के बाद राज्य का दर्जा खत्म हो जाता है
(B) राज्य का दर्जा केवल ज़मीन के आकार पर निर्भर करता है
(C) समुद्र का जलस्तर बढ़ने के बावजूद राज्य का दर्जा बना रहता है
(D) राज्य का दर्जा हर दशक में नवीनीकृत किया जाना चाहिए
(E) राज्य का दर्जा अपने आप किसी दूसरे राज्य को हस्तांतरित हो जाता है
- उत्तराखंड का पहला अर्ली-वॉर्निंग सिस्टम किस ग्लेशियल झील पर लगाया गया है?
(A) हेमकुंड ताल
(B) रूपकुंड
(C) सतोपंथ ताल
(D) वसुंधरा ताल
(E) डोडीताल
- संघ लोक सेवा आयोग ने किस तारीख को 100 साल पूरे किए?
(A) 01 अक्टूबर 2026
(B) 02 अक्टूबर 2026
(C) 03 अक्टूबर 2026
(D) 04 अक्टूबर 2026
(E) 05 अक्टूबर 2026
- शुभमन गिल ने 2026 में पुरुषों के वनडे क्रिकेट में सबसे तेज़ दोहरा शतक लगाने का रिकॉर्ड किस टीम के खिलाफ बनाया?
(A) ऑस्ट्रेलिया
(B) वेस्ट इंडीज़
(C) इंग्लैंड
(D) दक्षिण अफ्रीका
(E) न्यूज़ीलैंड
- मंदार, एक पारंपरिक लोक ताल वाद्ययंत्र जिसे 2026 में भौगोलिक संकेत (GI) टैग मिला, किस भारतीय राज्य से संबंधित है?
(A) झारखंड
(B) छत्तीसगढ़
(C) ओडिशा
(D) बिहार
(E) पश्चिम बंगाल
- 30 सितंबर 2026 को मनाया जाने वाला 'अंतर्राष्ट्रीय अनुवाद दिवस' किस ऐतिहासिक व्यक्ति के पर्व दिवस से जुड़ा है?
(A) संत ऑगस्टीन
(B) संत पीटर
(C) संत थॉमस
(D) संत जेरोम
(E) संत बेनेडिक्ट
- फ़ातिमा एज़ाहरा अल मंसूरी सितंबर 2026 में किस देश की सरकार की प्रमुख बनने वाली पहली महिला बनीं?
(A) ट्यूनीशिया
(B) मोरक्को
(C) अल्जीरिया
(D) जॉर्डन
(E) मिस्र
- 2026 एशियाई खेलों में महिलाओं की कंपाउंड टीम तीरंदाजी स्पर्धा में किस देश ने स्वर्ण पदक जीता?
(A) चीन
(B) दक्षिण कोरिया
(C) भारत
(D) जापान
(E) चीनी ताइपे
- बरडा वन्यजीव अभयारण्य को किस लुप्तप्राय प्रजाति के लिए दूसरे आवास के रूप में विकसित किया जा रहा है?
(A) एशियाई शेर
(B) बंगाल टाइगर
(C) भारतीय तेंदुआ
(D) एशियाई जंगली भैंसा
(E) हिम तेंदुआ
- हाल ही में रूस में परीक्षणों के दौरान किस स्वदेशी भारतीय एयरो-इंजन कार्यक्रम ने 48.5 kN का अधिकतम ड्राई थ्रस्ट दर्ज किया?
(A) कावेरी
(B) माणिक
(C) शक्ति
(D) हंसा
(E) सारस

1-{C} - 2-{D} - 3-{A} - 4-{B} - 5-{A} - 6-{D} - 7-{B} - 8-{C} - 9-{A} - 10-{A}

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Muzaffarpur

Date-8TH & 29TH Oct

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Test Calendar 2026

January 9 Fri	31 Sat	February 20 Friday	March 13 Friday	April 4 Sat	24 Fri
May 14 Thursday	June 5 Fri	25 Thu	July 17 Friday	August 7 Fri	27 Thu
September 18 Friday	October 10 Sat	30 Fri	November 27 Friday	December 16 Wed	31 Thu

Exam Pattern

Subject	Total No of Questions	Max Marks	Sectional Time
Reasoning	25	25	20
Maths	25	25	25
English	25	25	20
GK	25	25	15

Contact Branch Office with one photo and CP id-card for admit card

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The General Studies Quiz

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BIOLOGY

- A mutation occurs in the promoter region of a gene but leaves its coding sequence completely unchanged. Which process is most directly likely to be affected?
(A) Amino acid charging of tRNA
(B) Initiation of transcription
(C) Peptide bond formation
(D) Post-translational glycosylation
- A diploid organism carries two different alleles of a gene, but both alleles are fully expressed in the heterozygous condition. This pattern is best described as:
(A) Incomplete dominance (B) Codominance
(C) Epistasis (D) Pleiotropy
- Which cellular event immediately distinguishes apoptosis from accidental necrotic cell death?
(A) Complete inhibition of ATP synthesis
(B) Activation of caspase-mediated controlled cell dismantling
(C) Immediate rupture of the plasma membrane
(D) Random degradation of all cellular proteins
- A drug specifically inhibits the Na^+/K^+ -ATPase in an animal cell. Which effect is most directly expected?
(A) Complete cessation of DNA replication
(B) Disruption of transmembrane sodium and potassium gradients
(C) Immediate destruction of lysosomes
(D) Direct inhibition of ribosomal translation
- Which event is chiefly responsible for generating new combinations of alleles during meiosis?
(A) DNA replication in G1 phase
(B) Crossing over between homologous chromosomes
(C) Translation of messenger RNA
(D) Separation of sister chromatids during mitosis
- Why can mitochondrial disorders show a predominantly maternal pattern of inheritance?
(A) Mitochondrial DNA is present only in females
(B) Sperm normally contributes no nuclear DNA
(C) Most mitochondria in the zygote are inherited from the ovum
(D) Mitochondrial genes are located on the X chromosome
- Which mechanism best explains how cytotoxic T lymphocytes destroy virus-infected host cells?
(A) Secretion of antibodies into the infected cell
(B) Release of perforin and granzymes
(C) Conversion of B cells into plasma cells
(D) Activation of complement exclusively in blood plasma
- In C4 plants, the initial fixation of atmospheric carbon dioxide occurs through the action of:
(A) RuBisCO in bundle sheath cells
(B) PEP carboxylase in mesophyll cells
(C) ATP synthase in guard cells
(D) Carbonic anhydrase in xylem vessels
- Which phenomenon most directly reduces the efficiency of photosynthesis in many C3 plants under high temperature and low internal CO_2 concentration?
(A) Photophosphorylation (B) Photorespiration
(C) Nitrogen fixation (D) Transamination
- The CRISPR-Cas9 system achieves targeted genome editing mainly because:
(A) Cas9 randomly cuts highly repetitive DNA
(B) Guide RNA directs Cas9 to a complementary DNA sequence
(C) Cas9 synthesises new genes without a template
(D) Guide RNA permanently replaces chromosomal DNA

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Daily Static GK One - Liners

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LAUNCH VEHICLE - GSLV

(Geosynchronous Satellite Launch Vehicle)

India's Indigenous Power for Communication Satellites



Stronger
Self-Reliant
Spacefaring
India

1 Introduction & Development Objective

- GSLV is a **fourth-generation** launch vehicle.
- Designed to place heavy **INSAT** communication satellites in **Geosynchronous Transfer Orbit (GTO)** using a cryogenic third stage.
- PSLV (operational since 1993) had insufficient payload capacity for GTO missions.
- Therefore, **ISRO** started the development of GSLV in **1990** to obtain indigenous launch capability for communication, meteorology and other national services.



Main Objective

To place heavy **INSAT** communication satellites in **GTO** using a cryogenic stage.

3 Success with Indigenous Cryogenic Engine

- On **5 January 2014**, GSLV Mk-II D5 flew successfully with an indigenous cryogenic upper stage (CE-7.5 engine) developed by the Liquid Propulsion Systems Centre (LPSC) of ISRO.
- It successfully placed the **GSAT-14** satellite into orbit.
- This was a historic milestone towards India's self-reliance in cryogenic technology.



CE-7.5
(Indigenous Cryogenic Engine)

First Successful Flight
5 January 2014
(GSLV Mk-II D5)

Satellite: **GSAT-14**

2 Challenge of Cryogenic Technology

- In **2000**, the first experimental flight of GSLV carried the **GSAT-1** satellite.
- Due to inadequate performance of the cryogenic stage, it failed to place the satellite in the intended orbit.
- The initial GSLV Mk-I used a Russian-supplied cryogenic upper stage (KVD-1).
- Payload capacity of this version: **2 - 2.5 tonnes** (GTO).
- This series was retired after about **5 launches** between **2001 - 2010**.



KVD-1
(Russian-supplied
Cryogenic Stage)

Payload Capacity
2 - 2.5 tonnes
(GTO)

4 Flight History & Success Rate

- Till September 2026, GSLV has completed a total of **19 launches** with the GSLV-F17/EOS-05 mission (4 September 2026).
- Out of 18 launches before F17:

Fully Successful **12** Partially Successful **2** Unsuccessful **4**

Overall Success Rate
~ 66.7%

- Due to early failures, GSLV was initially called "**Naughty Boy**". However, its performance has significantly improved since 2014.



From
Challenges
to Greater
Heights

5 LVM3 (Formerly GSLV Mk-III) - Most Powerful Version

- The most advanced and powerful version of the GSLV series is **LVM3** (formerly GSLV Mk-III).
- Equipped with a **200 kN CE-20** gas-generator engine and two **S200** solid strap-on boosters.
- A different, heavier three-stage launch vehicle.
- GTO** payload capacity: up to **4 tonnes**.
- Used in missions like Chandrayaan-2 and Chandrayaan-3.
- Till **24 December 2025**, all **9 launches** of LVM3 have been successful (100% success rate).



LVM3
(Formerly GSLV Mk-III)

CE-20
(200 kN
Gas-Generator
Engine)

Two **S200**
Solid Strap-on
Boosters

GTO Payload
Capacity
4 tonnes

6 Future Direction - Next Generation Launch Vehicle (NGLV)

- ISRO is developing the **Next Generation Launch Vehicle (NGLV)** as a partially reusable, human-rated and commercially viable launch vehicle.
- Maximum payload capacity: **30 tonnes** in Low Earth Orbit (LEO).
- First stage will be based on LOX-Methane engine.
- Third stage will use cryogenic engine technology developed for LVM3 (CE-20).
- In IN-SPACE's privatisation efforts, GSLV has not been included for now (unlike PSLV).



NGLV
(Next Generation
Launch Vehicle)

Payload Capacity
30 tonnes
(LEO)

Partially Reusable
Human-Rated
Commercially Viable

HIGHER ORBITS A STRONGER INDIA



SPACE FOR A BETTER TOMORROW

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