



Current GK – 25 Mar 2026 – Answer Key

Exam Date: 25 Mar 2026 | Total Time: 10 mins | Max Marks: 10

Section: GK

Q1. Which Indian research institute has developed a nanotechnology-based method using the coffee-ring effect to detect toxic molecules like Rhodamine B?

- A) Indian Institute of Science (IISc), Bengaluru
B) **Raman Research Institute (RRI), Bengaluru**
C) National Chemical Laboratory (NCL), Pune
D) Bhabha Atomic Research Centre (BARC), Mumbai

Explanation: Scientists at the Raman Research Institute (RRI), India developed a sensitive method to detect toxic molecules like Rhodamine B. The method uses the coffee-ring effect combined with nanotechnology for enhanced detection. The coffee-ring effect occurs when a droplet evaporates, and capillary flow moves particles from the center to the edge, forming a ring-shaped deposition pattern. Rhodamine B is a water-soluble synthetic dye with bright pink fluorescence. It is widely used in fluorescence microscopy, flow cytometry, and ELISA biochemical assays. Rhodamine B is toxic and carcinogenic, affecting skin, eyes, and the respiratory system. This method provides a rapid and effective tool for detecting hazardous dyes in research and environmental monitoring.

Q2. Sanskaar Shaala, a value-based education programme for children aged 4-14 years, was launched by which state government?

- A) **Assam**
B) Mizoram
C) Manipur
D) Tripura

Explanation: Sanskaar Shaala, a value-based programme for children aged 4-14 years, was inaugurated in Guwahati by Assam Governor Lakshman Prasad Acharya. Sanskaar Shaala is a value-based programme aimed at developing ethical, social, and cultural awareness among children. The programme is implemented across Assam under the guidance of the Governors office with support from educational institutions. It uses interactive learning methods such as hands-on sessions, workshops, and skill-development activities. The initiative promotes holistic growth, social responsibility, and a deep understanding of Indian cultural and ethical values from an early age.

Q3. कवच 4.0, जो एक स्वचालित ट्रेन सुरक्षा (ATP) प्रणाली है, गुजरात में किस रेलवे सेक्शन पर लागू किया गया है?

- A) सूरत-वडोदरा
B) **वडोदरा-अहमदाबाद**
C) अहमदाबाद-राजकोट
D) वडोदरा-भरुच

Explanation: कवच 4.0 गुजरात के पहले बजवा (वडोदरा)-अहमदाबाद 96 किमी सेक्शन पर लागू किया गया है। इसमें 17 स्टेशन, 23 टावर, 20 कवच हट, 192 किमी ऑप्टिकल फाइबर केबल और 2,872 RFID टैग शामिल हैं। यह स्वदेशी ATP सिस्टम ट्रेन को टकराव और सिग्नल उल्लंघन से बचाता है, गति नियंत्रण लागू करता है और SIL-4 प्रमाणित है।

Q4. The 30 kW Wide Band Gap (WBG)-based Integrated Drive System was launched by which ministry?

A) Ministry of Heavy Industries

B) Ministry of Power

C) Ministry of Road Transport and Highways

D) Ministry of Electronics and Information Technology

Explanation: An indigenously developed 30 kiloWatt Wide Band Gap based Integrated Drive System for Electric Vehicles was launched by Ministry of Electronics and Information Technology in Chennai. It was developed by Centre for Development of Advanced Computing Thiruvananthapuram with Indian Institute of Technology Madras and Lucas TVS under National Mission on Power Electronics Technology. It was launched by the Secretary of Ministry of Electronics and Information Technology at IIT Madras. The 30 kiloWatt system suits electric passenger vehicles like compact cars and fleet mobility. It reduces import dependence on semiconductor-based Electric Vehicle powertrain systems.

Q5. भारत के किस क्षेत्र में हाल ही में ओफियोरिज़ा एकिनाटा नामक नई कॉफी पौधे की प्रजाति खोजी गई है?

A) पश्चिमी घाट

B) पूर्वी घाट

C) सुंदरबन

D) हिमालय

Explanation: ओफियोरिज़ा एकिनाटा नामक नई कॉफी पौधे की प्रजाति हाल ही में केरल के इडुक्की जिले के देविकुलम की शोलावन में पश्चिमी घाट में खोजी गई है। यह पौधा 1,630 मीटर ऊँचाई पर सदाबहार जंगल और घास के मैदान के बीच उगता है। यह रुबिएसी परिवार से है और औषधीय संभावनाओं के साथ बहुत दुर्लभ है, अब तक केवल लगभग 35 पौधे मिले हैं।

Q6. The Forest Owlet was recently spotted in which National Park of Madhya Pradesh after 113 years?

A) Kanha National Park

B) Kuno National Park

C) Panna National Park

D) Satpura National Park

Explanation: Recently, the Forest Owlet was spotted in Kuno National Park after 113 years. It belongs to the owl family Strigidae. It is endemic to central India and found in Odisha, Chhattisgarh, Madhya Pradesh, Maharashtra and Gujarat, including Melghat Tiger Reserve. It lives in tropical and subtropical moist lowland forests, dense and open dry deciduous teak forests. It has an unspotted crown, full throat collar, thickly feathered legs, and heavily banded wings and tail. It is diurnal and hunts during the day.

Q7. What is the name of Goas newly announced third district?

- A)Mandovi
C)**Kushavati**
B)Zuari
D)Chandrapur

Explanation: Goa will create its third district named Kushavati, after the ancient Kushavati River flowing through southern Goa. The river reflects Goas ancient geography, culture, livelihood, and ecological identity from historic times like the Chalukya dynasty. The district includes Sanguem, Dharbandora, Quepem, and Canacona talukas, with headquarters at Quepem. Usgalimal petroglyphs on laterite stones along the river show early human settlement thousands of years old. The district will have a new Zilla Panchayat (District Council) to improve governance and development.

Q8. What is the Miyawaki method that was recently seen in news?

- A)A technique of terrace farming
C)**A method of dense afforestation in small areas using native species**
B)A method of urban waste management
D)A technique of hydroponic cultivation

Explanation: The Miyawaki method is increasingly used in cities where green cover has declined over decades, and it is often seen in recent urban greening drives. It is an afforestation technique developed in the 1970s by Japanese botanist Akira Miyawaki. Trees and shrubs are planted very close together, also called the pot plantation method. Only native species are planted, creating a resilient and balanced ecosystem. Forests grow nearly 10 times faster and become very dense with high biodiversity. Recent municipal projects have used this method to convert polluted and barren urban land into green spaces, reducing pollution, improving soil, and enhancing ecological balance.

Q9. तैमूर ने अपने क्रूर हमले के बाद भारत छोड़ने से पहले खिज़्र खान को किस स्थान का राज्यपाल नियुक्त किया था?

- A)बंगाल
C)**मुल्तान**
B)दिल्ली
D)पंजाब

Explanation: तैमूर ने 1398 ई. में भारत पर आक्रमण किया और 1399 ईस्वी में हजारों लोगों की हत्या करके और अकूत संपत्ति लूट कर भारत छोड़ दिया। भारत से प्रस्थान करने से पहले, तैमूर ने खिज़्र खान को मुल्तान का राज्यपाल नियुक्त किया।

Q10. Kathputli, a traditional string puppet play, performed in which state?

- A)**Rajasthan**
C)Karnataka
B)Gujarat
D)Tamil Nadu

Explanation: In Jaipur, nearly 250 families continue to preserve Kathputli, one of Rajasthan's oldest folk art traditions. Kathputli is a traditional string puppet theatre form that originated in Rajasthan. Historically, travelling performers used Kathputli shows to narrate stories of Rajput kings, brave warriors, folk heroes, and moral tales to village audiences. The word Kathputli comes from kath meaning wood and putli meaning doll, highlighting its simple wooden structure. A Kathputli puppet is made using wood, cloth, thread, and metal wire, with a wooden upper body and cotton and fabric below.



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