

Quiz Date: 10<sup>TH</sup> August 2023

Q1. Whose research experiments are honored on World Biofuel Day observed on 10th August every year?

- (a) Sir Rudolf Diesel
- (b) Albert Einstein
- (c) Thomas Edison
- (d) Nikola Tesla
- (e) Alexander Graham Bell

Q2. Which ministry has been observing World Biofuel Day since 2015?

- (a) Ministry of Environment, Forest and Climate Change
- (b) Ministry of Agriculture and Farmers' Welfare
- (c) Ministry of Science and Technology
- (d) Ministry of Petroleum & Natural Gas
- (e) Ministry of Finance

Q3. What are "Advanced Biofuels" in the context of India's biofuel categories?

- (a) Biofuels with high CO<sub>2</sub> emissions
- (b) Conventional bioethanol and biodiesel
- (c) Second Generation (2G) Ethanol and Drop-in fuels
- (d) Fossil fuels used in combination with biofuels
- (e) Biofuels derived from food crops

Q4. Where is the headquarters of the Central Board of Indirect Taxes and Customs (CBIC) located?

- (a) Mumbai
- (b) Kolkata
- (c) Chennai
- (d) New Delhi
- (e) Bengaluru

Q5. Who recently took charge as the Chairman of the Central Board of Indirect Taxes and Customs (CBIC)?

- (a) Vivek Johri
- (b) Sanjay Kumar Agarwal
- (c) Pranab Kumar Das
- (d) M Ajit Kumar
- (e) None of the above

Q6. Who recently succeeded Justice S Muralidhar as the 33rd Chief Justice of the Orissa High Court?

- (a) Justice DY Chandrachud
- (b) Justice Subhasis Talapatra
- (c) Justice S Muralidhar
- (d) Governor Ganeshi Lal
- (e) Justice Udaipur Tripura

Q7. What is the main responsibility of the Supreme Court Collegium in India?

- (a) Legislative drafting
- (b) Implementing executive orders
- (c) Evaluating judicial appointments
- (d) Investigating corruption cases
- (e) Conducting elections

Q8. What significance did July 2023 hold in terms of global temperatures?

- (a) It was the coldest month on record.
- (b) It was the hottest month on record.
- (c) It had average temperatures for the year.
- (d) It had temperatures similar to July 2019.
- (e) It experienced a slight cooling trend.

Q9. What was the percentage decline in China's exports in July compared to the previous year?

- (a) 10.2%
- (b) 12.4%
- (c) 14.5%
- (d) 16.8%
- (e) 18.1%

Q10. What is the primary purpose of the "Swathi Mountains" WLR (Weapon Locating Radar)?

- (a) Tracking enemy aircraft.
- (b) Detecting underwater submarines.
- (c) Locating hostile artillery and rockets in mountainous areas.
- (d) Monitoring satellite communication.
- (e) Guiding naval vessels.

Q11. Which organization developed the "Swathi Mountains" WLR?

- (a) NASA.
- (b) Indian Space Research Organisation (ISRO).
- (c) Bharat Electronics Limited (BEL).
- (d) Defence Research and Development Organisation (DRDO).
- (e) Hindustan Aeronautics Limited (HAL).

Q12. Which country is hosting the upcoming Malabar joint drills?

- (a) India
- (b) Japan
- (c) United States
- (d) Australia
- (e) China

Q13. Which countries are permanent partners in the Malabar Exercise?

- (a) China, Japan, and Australia
- (b) United States, Russia, and India
- (c) United States, Japan, and India
- (d) India, Australia, and Singapore
- (e) United Kingdom, Japan, and South Korea

Q14. What does the term 'Havana Syndrome' refer to?

- (a) A type of mental illness
- (b) A set of symptoms experienced by US officials
- (c) A mysterious virus originating in Havana
- (d) A new type of sonic weapon
- (e) A form of mass psychogenic illness

Q15. What is the possible cause of Havana Syndrome?

- (a) Bacterial infection
- (b) Exposure to high-frequency microwave transmissions
- (c) Allergic reaction to certain foods
- (d) Genetic mutation
- (e) Excessive noise pollution

### Solutions

S1. Ans.(a)

Sol. The research experiments of Sir Rudolf Diesel, who ran an engine with peanut oil in 1893, are honored on World Biofuel Day. His work laid the foundation for the prediction that vegetable oil would replace fossil fuels for powering engines in the coming years.

S2. Ans.(d)

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Sol. The Ministry of Petroleum & Natural Gas has been observing World Biofuel Day since 2015. This day serves as a platform to raise awareness about biofuels and their significance in the energy sector.

S3. Ans.(c)

Sol. "Advanced Biofuels" in India's context are fuels produced from lignocellulosic feedstocks, non-food crops, or industrial waste with low CO<sub>2</sub> emission or high GHG reduction. Examples include Second Generation (2G) Ethanol, Drop-in fuels, and certain algae-based 3G biofuels, among others.

S4. Ans.(d)

Sol. The headquarters of the CBIC is located in New Delhi. Additionally, the CBIC has regional offices, zonal offices, and field formations situated across various regions of India.

S5. Ans.(b)

Sol. Sanjay Kumar Agarwal succeeded Vivek Johri as the Chairman of the Central Board of Indirect Taxes and Customs (CBIC) after Johri's superannuation. The finance ministry appointed Agarwal, who was previously in charge of CBIC member compliance management and investigations.

S6. Ans.(b)

Sol. Justice Subhasis Talapatra was officially appointed as the 33rd Chief Justice of the Orissa High Court. He succeeded Justice S Muralidhar and took the oath of office administered by Governor Ganeshi Lal.

S7. Ans.(c)

Sol. The main responsibility of the Supreme Court Collegium is to evaluate and recommend appointments and elevations of Chief Justices and Judges of High Courts to the Supreme Court, the promotion of High Court Judges to Chief Justices, and the elevation of Judges.

S8. Ans.(b)

Sol. July 2023 set a new global temperature record, being the hottest month ever recorded. It surpassed the previous records and highlighted the intensifying trend of global warming.

S9. Ans.(c)

Sol. China's July exports plummeted by 14.5%, exacerbating pressure on the Communist Party to revive the economy, with imports also down 12.4%.

S10. Ans.(c)

Sol. The "Swathi Mountains" WLR is specifically designed to operate in mountainous and high-altitude terrains, with its primary function being the detection and tracking of hostile artillery, mortars, and rockets in these challenging environments.

S11. Ans.(c)

Sol. The "Swathi Mountains" WLR was developed by Bharat Electronics Limited (BEL) in Bengaluru, India.

S12. Ans.(d)

Sol. The Australian Navy is hosting the 10-day event, which will include harbor and sea phases.

S13. Ans.(c)

Sol. United States, Japan, and India, these countries are the permanent partners in the Malabar Exercise.

S14. Ans.(b)

Sol. Havana Syndrome refers to a collection of symptoms experienced by US intelligence and embassy officials in various countries. These symptoms include auditory hallucinations, vertigo, headaches, memory lapses, and balance issues.

S15. Ans.(b)

Sol. Havana Syndrome has been linked to exposure to high-frequency microwave transmissions, although the exact cause remains uncertain.

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