



**Q. Consider the following statements with respect to Magnetic Resonance Imaging (MRI):**

- a** It uses strong magnetic fields to obtain images of soft tissues within the body.
- b** It is a non-invasive diagnostic technique that is widely used to image the brain.

**Which of the above statement(s) is/are correct?**

- a** 1 Only
- b** 2 Only
- c** Both 1 and 2
- d** Neither 1 Nor 2

**Answer** **c**

**EXPLANATION**

- MRI is a non-invasive imaging technique that uses strong magnetic fields and radio waves to generate detailed images of the body's soft tissues. It is widely used to diagnose and monitor conditions like cancers, neurological disorders, cardiovascular issues, musculoskeletal problems and so on.**
- The main superconducting magnet creates a powerful, constant magnetic field around the patient. This causes the hydrogen protons (nuclei) in the body to align with the direction of the magnetic field.**



**Q. India has invited election management bodies of how many countries under the International Election Visitors Programme?**

**a** 20

**b** 23

**c** 26

**d** 23

**Answer** **b**

### **EXPLANATION**

- In keeping with the tradition of the Election Commission of India (ECI) to foster a culture of transparency and reiterate its commitment to high standards of electoral practices amidst the democratic nations, 75 delegates representing 23 countries are in India to witness the Indian General Elections as part of the International Election Visitors' Programme (IEVP).
- The delegates will split into groups to visit six states - Maharashtra, Goa, Gujarat, Karnataka, Madhya Pradesh, and Uttar Pradesh to observe polls and related preparedness in various constituencies. The programme will end on the 9th of May, 2024.



08-05-2024

**DAILY MCQ'S**

**70<sup>th</sup> BPSC  
PRELIMS EXAM**

**Q. Border Road Organization (BRO) was established in the year -**

**a** 1959

**b** 1960

**c** 1961

**d** 1962

**Answer** **b**

### **EXPLANATION**

- The Border Roads Organisation (BRO) celebrated its 65th Raising Day on May 07, 2024. To mark the day, an event was organised in New Delhi, which was presided over by Defence Secretary Shri Giridhar Aramane.**
- Border Road Organisation (BRO) was formed on 7th May 1960 to secure India's borders and develop infrastructure in remote areas of the north and north-east states of the country.**
- The Border Roads Organisation is a statutory body under the ownership of the Ministry of Defence of the Government of India. BRO develops and maintains road networks in India's border areas and friendly neighboring countries.**



**Q. Fusobacterium nucleatum, seen in news recently, is mainly found in :**

**a** Roots of Plants

**b** Ruminants

**c** Human Mouth

**d** Dead Sea Region

**Answer** **c**

### **EXPLANATION**

- Fusobacterium nucleatum is a Gram-negative, anaerobic oral bacterium, commensal to the human oral cavity, that plays a role in periodontal disease. This organism is commonly recovered from different monocultured microbial and mixed infections in humans and animals.**
- In recent years, studies have shown that Fusobacterium nucleatum is enriched in lesions in periodontal diseases, halitosis, dental pulp infection, oral cancer, and systemic diseases. Hence, it can promote the development and/or progression of these conditions.**



Q. 'MQ-9B Predator', recently seen in the news, is -

- a A technique used to remove pest from crop
- b High Altitude Unmanned Aerial Vehicle
- c Nuclear Ballistic Submarine
- d Earth Observation Satellite

Answer **b**

#### EXPLANATION

- ☑ India will acquire MQ-9B Predator drones (Unmanned Aerial Vehicle) from the US, deploying them in Tamil Nadu and Uttar Pradesh.
- ☑ Developed by General Atomics Aeronautical Systems, it's a high-altitude, long-endurance armed UAV.
- ☑ Used by the US for surveillance and airstrikes, it has two variants: SkyGuardian and SeaGuardian. The latter has been utilized by the Indian Navy since 2020.