

**Q.1) We live in an era called**

- a) Paleozoic
- b) Mesozoic
- c) Cenozoic
- d) Mesoproterozoic

**Q.1) Solution (c)**

The Cenozoic Era is the current geological era, covering the period from 66 million years ago to the present day.

The Cenozoic is also known as the Age of Mammals, because of the large mammals that dominate it. The continents also moved into their current positions during this era.

The Cenozoic Era is generally divided into three periods: the Paleogene (66 million to 23 million years ago), the Neogene (23 million to 2.6 million years ago), and the Quaternary (2.6 million years ago to the present); however, the era has been traditionally divided into the Tertiary and Quaternary periods.

**Q.2) 'Bengal Florican' is found in which of the following countries?**

- 1. India
- 2. Vietnam
- 3. Cambodia

**Select the correct code:**

- a) 1 Only
- b) 1 and 2
- c) 2 and 3
- d) 1, 2 and 3

**Q.2) Solution (d)**

Native: Cambodia; India; Nepal; Viet Nam

Possibly extinct: Bangladesh

Bengal florican, also called Bengal bustard, is a bustard species native to the Indian subcontinent, Cambodia and Vietnam.

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It is listed as Critically Endangered on the IUCN Red List because fewer than 1,500 individuals were estimated to be alive as of 2013. It is the only member of the genus *Houbaropsis*.

It has two disjunct populations, one in the Indian subcontinent, another in Southeast Asia. The former occurs from Uttar Pradesh (India) through the Terai of Nepal to Assam (where it is called ulu mora) and Arunachal Pradesh in India, and historically to Bangladesh. The South East Asian population occurs in Cambodia and perhaps adjacent southern Vietnam.

### Q.3) Consider the following statements about 'Heavy water'

1. It is radioactive
2. It is a form of water that contains Hydrogen-3 (tritium)

#### Select the correct statements

- a) 1 Only
- b) 2 Only
- c) Both 1 and 2
- d) Neither 1 nor 2

### Q.3) Solution (d)

Heavy Water is a form of water that contains a larger than normal amount of the hydrogen isotope deuterium ( $2\text{H}$  or  $\text{D}$ , also known as heavy hydrogen), rather than the common hydrogen-1 isotope ( $1\text{H}$  or  $\text{H}$ , also called protium) that makes up most of the hydrogen in normal water.

Heavy water is not radioactive. Hydrogen ( $1\text{H}$ ) has three naturally occurring isotopes, sometimes denoted  $1\text{H}$ ,  $2\text{H}$ , and  $3\text{H}$ . The first two of these are stable while  $3\text{H}$  has a half-life of 12.32 years.

### Q.4) United Nations Security Council Resolution 1267 is concerned with which of the following countries?

- a) Syria
- b) Afghanistan
- c) Libya
- d) Iraq

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### Q.4) Solution (b)

United Nations Security Council resolution 1267 was adopted unanimously on 15 October 1999. After recalling resolutions 1189 (1998), 1193 (1998) and 1214 (1998) on the situation in Afghanistan, the Council designated Osama bin Laden and associates as terrorists and established a sanctions regime to cover individuals and entities associated with Al-Qaida, Osama bin Laden and/or the Taliban wherever located.

### Q.5) Consider the following statements about SARAS

1. It is India's indigenous light transport aircraft
2. It is designed and developed by the CSIR-National Aerospace Laboratories
3. It will only be used for military purposes

### Select the correct statements

- a) 1 and 2
- b) 2 and 3
- c) 1 and 3
- d) All of the above

### Q.5) Solution (a)

It is the first Indian multi-purpose civilian aircraft in the light transport aircraft category as designed by the National Aerospace Laboratories (NAL).

The HAL has been identified as the production agency for the military version of Saras, while production of the civil version will be given to identified private industries.

It will be ideal for commuter connectivity under the Centre's UDAAN Scheme for variety of applications like air taxi, aerial search and survey, executive transport, disaster management, border patrol, coast guard, ambulance and other community services