

## Weekly Quiz (16<sup>th</sup>-22<sup>nd</sup>Oct)

Q1. Consider the following about Kaziranga National Park

1. It is the single largest undisturbed and representative area in the Ganga river floodplain.
2. It is recognized as an Important Bird Area by Bird Life International and UNESCO World Heritage Site.
3. It is the home of the world's most two-horned rhinos.

How many of the above statements is/are correct?

- a) Only 1
- b) Only 2
- c) Only 3
- d) Only 4

Q2. Consider the following about Paintbrush Swift Butterfly

1. It is identified based on two separated spots in the upper forewing cell.
2. The species' larvae feed meat of other species.
3. This species is legally protected in India under Schedule II of the Wildlife (Protection) Act, 1972.
4. It has been noticed for the first time in Himachal Pradesh's Chamba district recently.

How many of the above statements is/are correct?

- a) Only 4
- b) Only 2
- c) Only 3
- d) Only 1

Q3. The focus of conservation efforts in Kaziranga are focused on the 'big four' species. Which of the following are part of Big Four?

1. Rhino
2. Cheetah
3. Elephant
4. Royal Bengal tiger
5. Asiatic water buffalo
6. Bears

Codes:

- a) Only 1, 2, 4 and 6
- b) Only 2, 3, 4 and 5
- c) Only 1, 3, 4 and 6
- d) Only 1, 3, 4 and 5

Q4. Consider the following statements about Earthquakes

1. The point within the earth where the fault rupture starts and produces an earthquake is called the epicentre.
2. The point on the surface of the earth directly above it is called the focus or the hypocentre.

3. Tectonic plates are slow moving but are always in motion, mostly due to the heat energy generated inside the earth. The edges of these plates are called plate boundaries and consist of faults— this is where most earthquakes occur.
4. An earthquake occurs when blocks of lithosphere suddenly slip past one another, releasing energy and sending seismic waves through the ground.

How many of the above statements is/are incorrect?

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

Q5. Which of the following schemes is/are associated with menstrual hygiene?

- a) Suvidha scheme
- b) Rashtriya Kishor Swasthya Karyakram
- c) Mini incinerators
- d) All the above

Q6. Consider the following about Dam Safety Act 2021

1. The National Committee on Dam Safety will be constituted and will be chaired by the chairperson, Central Water Commission.
2. The act ideates setting up a National Dam Safety Authority (NDSA) to be headed by an officer, not below the rank of an Additional Secretary, to be appointed by the central government.
3. The act also envisages constituting a State Dam Safety Organisation (SDSO) whose functions will be to keep perpetual surveillance, inspection, monitoring the operation and maintenance of dams, keeping a database of all dams, and recommending safety measures to owners of dams.
4. The owners of the specified dams are required to provide a dam safety unit in each dam. This unit will inspect the dams before and after the monsoon session, and during and after any calamity or sign of distress.

How many of the above is/are correct?

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

Q7. Which of the following best describes Estivation?

- a) Filtration method
- b) Winter sleep of animals
- c) Summer sleep of animals
- d) Inflammation of spleen

Q8. Consider the following statements about Radiation detection equipment

1. Radiation detectors, also known as particle detectors, are instruments designed for the detection and measurement of subatomic particles.

2. The RDE will be installed at the integrated check posts and land ports of Attari (Pakistan border), Petrapole, Agartala, Dawki and Sutarkandi (all on the Bangladesh border), Raxaul and Jogbani (Nepal) and Moreh (Myanmar).
3. RDE will check the trafficking of radioactive materials across international borders.
4. RDEs can raise alarms in the presence of specific types of radiation: Gamma radiation & Neutron radiation.

How many of the above statements is/are incorrect?

- a) Only 1
- b) Only 2
- c) Only 3
- d) All the above are correct

Q9. Which of the following are correct reasons for the occurrence of frequent earthquakes in Afghanistan?

1. Afghanistan is located over multiple fault lines in the region where the Arabian, Indian and the Eurasian tectonic plates meet.
2. Towards western Afghanistan, the Arabian plate subducts northward under Eurasia, and towards eastern Afghanistan the Indian plate does the same.
3. The collision and convergence of the Indian Plate and the Eurasian Plate result in the folding and faulting of the Earth's crust.

Codes:

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

Q10. Which of the following is the theme of World Food Day 2023?

- a) Water is Life, Water is Food
- b) Safe food now for a healthy tomorrow
- c) Grow, nourish, sustain. Together. Our actions are our future
- d) Leave NO ONE behind

Q11. How many of the following initiatives can help India achieve the goal of food security?

1. Biofortified Varieties
2. Food Security Act, 2013
3. APMC (agricultural produce market committee) Acts
4. Minimum Support Price (MSP)
5. Farmer Producer Organisations
6. New India @75

Codes:

- a) Only 4
- b) Only 5
- c) Only 3
- d) All the above

Q12. Diphlu River passes through which of the following national park?

- a) Manas National Park
- b) Kaziranga National Park
- c) Nameri National Park
- d) Dehing Patkai National Park

Q13. Which of the following is incorrect about Menstrual Hygiene Policy?

- a) The menstrual hygiene policy is designed to address the ongoing issues related to menstruation in the country.
- b) The policy does not acknowledge the historical significance of this biological process but the present day significance only.
- c) Every woman, girl, and individual who menstruates should have access to a safe and stigma-free experience during their menstruation.
- d) The policy would contribute to enhancing the overall well-being of women and allowing them to reach their maximum potential in various areas of life such as education, health, and economic stability.

Q14. How many of the following are correctly mentioned challenges in achieving global food security?

- 1. Poverty
- 2. Population
- 3. Inequality
- 4. Dietary choices
- 5. Food wastage
- 6. Land use change
- 7. Climate change
- 8. Conflicts between nations

Codes:

- a) Only 6
- b) Only 4
- c) Only 7
- d) All the above

Q15. The process of linking Kashmir to Kanniyakumari, through the new Udhampur-Srinagar-Baramulla Rail Link (USBRL) project, poses a unique challenge to the Railways in maintaining water and fuel in liquid form in sub-zero temperatures during the winters. Consider the following about the same.

- 1. The RCF had designed double-walled composite insulated water tanks of capacities ranging between 450 litres and 685 litres.
- 2. RCF are using heated pipes with a distributed heating system covered by insulation. The water will remain cold at five to eight degrees Celsius in liquid form.

Which of the above statements is/are correct?

- a) Only 1
- b) Only 2

- c) Both 1 and 2
- d) None of the above