

Pre-Mix – 5 MCQs for Prelims

Subject – Environment & D.M.

Date – 10th March 2023

1. Consider the following statements regarding International Treaty on Plant Genetic Resources for Food and Agriculture (ITPGRFA)

1. It is a non legally binding agreement.
2. It was adopted by the 31st Session of the Conference of the Food and Agriculture Organization (FAO) of the United Nations in 2001.

Which of the above is/are correct?

- A. 1 only
- B. 2 only
- C. Both 1 and 2
- D. Neither 1 nor 2

2. Airshed approach is related to which of the following:

- A. Increasing cloud cover to increase precipitation
- B. Increasing cloud cover to combat climate change
- C. Control of environmental **pollution**
- D. None of the above.

3. Consider the following statements regarding Cheetah:

1. Cheetah prefer dense to moderate forests ecosystems
2. The African subspecies of Cheetah is critically endangered as per the IUCN Red List
3. The largest population of the Asiatic Cheetah is found in Iran

Which of the statements given above is/are correct?

- A. 1 and 2 only
- B. 2 and 3 only

C. 3 only

D. 1, 2 and 3

4. Consider the following statements related to kelp forests

1. Kelp forests are found in deep oceanic tropical water
2. Kelp forests harbour the highest biodiversity in the oceanic ecosystem.
3. Kelp forests are found in shallow waters as they need sunlight for photosynthesis

Choose the correct options

- A. 1 only
- B. 1 and 2 only
- C. 2 and 3 only
- D. 1, 2 and 3

5. Harit Dhara is related to

- A. Reducing the methane emissions by the livestock
- B. Increasing greenery and creating micro-forests around IT Department buildings and public locations.
- C. Increasing the green cover by compensatory afforestation
- D. None of the above.

Answers with Explanations

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1. Consider the following statements regarding International Treaty on Plant Genetic Resources for Food and Agriculture (ITPGRFA)

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Answer : B

Explanation

- The ninth session of the governing body of the International Treaty on Plant Genetic Resources for Food and Agriculture (ITPGRFA) began September 19, 2022 in Delhi. About ITPGRFA
- The International Treaty on Plant Genetic Resources for Food and Agriculture is a comprehensive international agreement in harmony with the Convention on Biological Diversity, which aims at guaranteeing food security through the conservation, exchange and sustainable use of the world's plant genetic resources for food and agriculture (PGRFA), the fair and equitable benefit sharing arising from its use, as well as the recognition of farmers' rights.
- It is also known as Seed Treaty.
- The International Treaty is the first legally-binding international instrument to formally acknowledge the enormous contribution of indigenous people and small-holder farmers as traditional custodians of the world's food crops.

2. Airshed approach is related to which of the following:

- A. Increasing cloud cover to increase precipitation
- B. Increasing cloud cover to combat climate change
- C. Control of environmental **pollution**
- D. None of the above.

Answer : C

Explanation

Airshed approach to deal with air pollution:

- Under this, policymakers will plan actions keeping in view geographical, meteorological and other factors which

pollute air within the airshed instead of making policies guided by states' boundaries.

- Currently, airshed approach is being implemented for "Delhi-NCR and adjoining areas".
- The World Bank defines an airshed as a common geographic area where pollutants get trapped, creating similar air quality for everyone.

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- C. 3 only
- D. 1, 2 and 3

Answer : C

Explanation

- Cheetahs belong to the cat family and are native to Africa and Asia.
- It is the fastest land animal estimated to be capable of running at 80 to 128 km/h/.
- There are two major Cheetah subspecies – African and the Asian Cheetah.
- The Asiatic cheetah is slightly smaller and slender than the African Cheetah.
- The Asian Cheetah having which is critically endangered with 100 individuals left, are currently found in Iran

- The African cheetah is found across Africa. It has a population of about 10,000 individuals.
- Cheetahs live in open plains; their habitat is predominantly where their prey lives - grasslands, scrubs and open forest systems, semi-arid environments and temperatures that tend to be hotter compared to cooler regimes.



4. Consider the following statements related to kelp forests

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Choose the correct options

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- C. 2 and 3 only
- D. 1, 2 and 3

Answer : B

Explanation

- Kelp are large brown algae that live in cool, relatively shallow waters close to the shore.
- They grow in dense groupings much like a forest on land.

- These underwater towers of kelp provide food and shelter for thousands of fish, invertebrates, and marine mammal species.

5. Harit Dhara is related to

- A. Reducing the methane emissions by the livestock
- B. Increasing greenery and creating micro-forests around IT Department buildings and public locations.
- C. Increasing the green cover by compensatory afforestation
- D. None of the above.

Answer : A

Explanation

Harit Dhara

- Harit Dhara is an anti-methanogenic feed supplement prepared from the natural phyto-sources.
- The Harit Dhara developed by the Indian Council of Agricultural Research, through the comprehensive research over a decade.
- It is found very effective in reducing the enteric methane emission upto 17% to 20% when incorporated in the livestock feed.

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