

**IASbaba's Daily Prelims Test [Day 52]**

**TOPIC: Geography - Hydrosphere, World Climatic Types, Environment and Current Affairs**

**1. Coral reefs destruction is a major concern in the backdrop of Climate Change. Consider the statements regarding the coral reefs.**

- 1) Coral reefs are example of a symbiotic relation between coral polyps and photosynthetic algae.
- 2) Coral reefs are confined to deep waters.
- 3) Coral reefs are marine equivalent of tropical rain forest.

**Which of the statement/s is/are true?**

- 1) 1, 2 only.
- 2) 2, 3 only.
- 3) 1, 3 only.
- 4) All the above.

Answer: 3

They are confined to shallow waters.

**2. Continental rise is a feature found on the boundary of the continental slope. Consider the statements regarding the continental rise.**

- 1) Continental rise are comprised of the finer textured smaller materials.
- 2) Continental rise are found only in the active boundary continental slope.

**Which of the following statement/s is/are correct?**

- 1) 1 only.
- 2) 2 only.
- 3) Both the above.

- 4) None of the above.

Answer: 1

Second statement: It is not found in the active boundary because these structures will be destructed during the formation of trenches in the active plate boundary. Thus found only in the passive boundaries.

**3. Consider the following statements.**

- 1) Pelagic waters are the surface waters between two shorelines extensive upto the depth of 500 meters.
- 2) Benthic waters extend from the depth of 500 meters to the base of the ocean.

**Which of the following statement/s is/are true?**

- 1) 1 only.
- 2) 2 only.
- 3) Both the above.
- 4) None of the above.

Answer: 3

**4. A particular ocean has a broad shape of 'S' in the North South orientation. Which is that ocean?**

- 1) Atlantic Ocean.
- 2) Pacific Ocean.
- 3) Indian Ocean.
- 4) Southern Ocean.

Answer: 1.

**5. In which part of the ocean does the typical example of reversal of ocean current can be observed which is guided by the planetary wind system?**

- 1) Northern part of Indian Ocean.
- 2) Southern part of Indian Ocean.
- 3) North Atlantic Ocean.
- 4) South Pacific Ocean.

Answer: 1

In the Northern part of Indian Ocean, the ocean currents are clearly guided by the planetary winds. There is complete reversal of the ocean currents direction right from the African Eastern coast to the Indian coast. Ex: Somalian current flows from North to South in the African East coast during winters when there is off shore North East Trade wind. The same current reverses its direction when there is South West Monsoon wind. It flows from South to North.

**6. Which of the statements are true regarding Equatorial climatic conditions?**

- 1) It is known as latitudinal climate.
- 2) Low range of temperature is mainly due to the equatorial air mass.
- 3) There is no seasonality in this region or there are no distinguished seasons unlike other climatic regions.

**Which among the following statement/s is/are true?**

- 1) 3 only.
- 2) 2, 3 only.
- 3) 1, 2 only.
- 4) All the above.

Answer: 4

The climatic region is extensive from 10degree South to 10degree North. And this type of climatic condition is confined to only this latitudinal expanse. So it is also termed as latitudinal climate. Equatorial air mass keeps the temperature moderate in the Equatorial region.

**7. Consider the statements regarding the Mediterranean climate.**

- 1) During summers this climatic region comes under the influence of On-shore Westerly wind.
- 2) During winters this climatic region comes under the influence of Off-shore Trade wind.
- 3) Atmospheric stability exists over the region during summers because of anti-cyclonic conditions.

**Which of the statement/s is/are correct?**

- 1) 1, 2 only.
- 2) 3 only.
- 3) All the above.
- 4) None of the above.

Answer: 2

During summers this climatic region comes under the influence of Off-shore Trade winds.

During winters this climatic region comes under the influence of On-shore Westerly wind.

**8. Desert is mainly located in the tropical West margins of the continents. What is/are the possible reason/s?**

- 1) Existence of the perennial high pressure over this region.
- 2) Prevailing On-shore winds throughout the year.
- 3) Cold currents on the continental west margins add to the atmospheric stability of the region.

**Choose the correct code from the following.**

- 1) 1 only.
- 2) 1, 2 only.
- 3) 1, 3 only.
- 4) 2, 3 only.

Answer: 3

Second statement: it is Off-shore winds and not On-shore winds the blows over this region. This winds carry no moisture thus causes no precipitation.

Ex of cold currents: canaries current in the Atlantic East coast, West Australian current in the West continental margins of Australia etc.

**9. Atacama desert is one of the driest deserts of the world. Apart from other reasons there is a particular current which has made it a driest desert. Which is that current?**

- 1) Benguela current.
- 2) Okhotsk current.
- 3) Peruvian current.
- 4) None of the above.

Answer: 3.

**10. Frank Joseph land of Russia makes the northern most limit of summer vegetation in Tundra climate. Which is the type of precipitation that occurs in this region that supports this vegetation?**

- 1) A very low cyclonic depression that causes light rainfall in the form of snow fall.
- 2) Frontal precipitation that causes precipitation in the form of snow fall.
- 3) Convectional type of precipitation.
- 4) Both 1 and 2.

Answer: 2

No cyclonic depression exists because of very low temperature and also weak pressure gradient.

Convectional precipitation to occur, the air on the land surface should be heated to larger extent so that it becomes lighter thus rises and condenses to give precipitation. But very low temperature in the higher latitudes causes no convectional precipitation.

**11. Consider the statements**

1. It is the smallest and rarest wild pig
2. It is a schedule-I species under Wild Life Protection Act, 1972
3. Mostly found in Manas Tiger Reserves and listed under Critically Endangered Species

**Select the correct answer**

1. Pangolin
2. Wild Boar
3. Pygmy Hog
4. Forest Hog

Answer- 3

<http://www.thehindu.com/sci-tech/energy-and-environment/21-pygmy-hog-nests-found-in-manas-national-park/article5822945.ece>

**12. Consider the following**

1. Dugong
2. Hispid Hare
3. Terrapin
4. Logger Head Turtle
5. Lynx
6. Cheer Pheasant

**Which of the above are MAMMALS listed under Wildlife Protection Act, 1972?**

1. 1, 2, 3, 4, 5 and 6
2. 2, 4 and 6
3. 2, 3 and 5
4. 1, 2 and 5

Answer- 4

Terrapin and Logger Head Turtle are listed under Amphibians and Reptiles while Cheer Pheasant is a Bird

**13. Consider the following statements**

1. Traditional Knowledge Digital Library (TKDL) is a collaborative initiative of Ministry of Health and Family Welfare, DRDO and CSIR
2. Traditional Knowledge is mentioned under Convention of Biodiversity.
3. Nagoya Protocol and Cartagena Protocol also involve Traditional Knowledge

**Select the correct statement/s**

1. 1, 2 and 3
2. 2 and 3
3. 1 and 2
4. Only 2

Answer- 4

Collaboration- The Traditional Knowledge Digital Library (TKDL) is an Indian digital knowledge repository of the traditional knowledge, especially about medicinal plants and formulations used in Indian systems of medicine. Set up in 2001, as collaboration between the Council of Scientific and Industrial Research (CSIR) and the Department of Ayurveda, Yoga and Naturopathy, Unani, Siddha and Homoeopathy (Dept. of AYUSH), Ministry of Health & Family Welfare, Government of India.

Convention of Biodiversity- Access and Benefit Sharing- Nagoya not Cartagena

**14. Consider the following**

**Below is the list of indigenous species and its location**

- |              |                 |
|--------------|-----------------|
| 1. Quinoa    | Amazon Basic    |
| 2. Kava      | Western Pacific |
| 3. Hoodia    | Namib Desert    |
| 4. Ayahuasca | Andes           |

Which of the above is/are correctly matched?

1. 1, 2, 3 and 4
2. 1 and 2
3. 2 and 3
4. 3 and 4

Answer- 3

**Explanation-**

Quinoa	Andes
Kava	Western Pacific
Hoodia	Namib Desert
Ayahuasca	Amazon Basin

**15. Which of the following can be used to check whether drinking water contains Gamma emitting isotope or not?**

1. Scintillation Counter
2. Lead Plate
3. Spectrophotometer
4. Microscope

Answer- 1