



## **Prelims Practice Questions 26-02-2018**

01. Consider the following statements.

1. Society for Worldwide Interbank financial Telecommunication (SWIFT) is an inter-bank messaging system.
2. It is a global member-owned cooperative headquartered in London, U.K.

Which of the above statements is/are correct?

- a. 1 only
- b. 2 only
- c. Both 1 and 2
- d. Neither 1 nor 2

Answer : a

The SWIFT is a secure financial message carrier. It transports messages from one bank to its intended bank recipient. It is a global member-owned cooperative that is headquartered in Brussels, Belgium. It was founded in 1973 by a group of 239 banks from 15 countries which formed a co-operative utility to develop a secure electronic messaging service and common standards to facilitate cross-border payments. SWIFT established the customer security programme (CSP) in early 2016 to support customers in the fight against a growing cyberthreat.

02. Consider the following statements.

1. Dispute over sharing of Ravi-Beas river water includes Punjab, Himachal Pradesh, Haryana and Rajasthan.
2. Sharing of Mahanadhi river is disputed between Chattisgarh, Jharkhand and Odisha.
3. Cauvery water dispute is among Tamil Nadu, Kerala, Karnataka and Puducherry.

Which of the above statements is/are correct?

- a. 1 and 2 only
- b. 2 only
- c. 2 and 3 only
- d. 3 only

Answer : d

Ravi-Beas river water dispute - Punjab, Haryana and Rajasthan. Ravi and Beas rivers are part of Indus river system. Ravi river rises in the Kullu hills of Himachal Pradesh. Beas originates from Beas Kund near Rohtang Pass.

Mahanadhi river water dispute - Chattisgarh and Odisha. Mahanadhi rises near Sihawa in Raipur district of Chattisgarh and runs through Odisha to join Bay of Bengal.

Cauvery river water dispute - Tamil Nadu, Kerala, Karnataka and Puducherry. Cauvery river rises in Brahmagiri hills of Kodagu district in Karnataka.

03. Consider the following statements.

1. *Drypetes kalamii* is a newly discovered shrub in West Bengal.
2. *Solibacillus kalamii* is the name of bacteria found in International Space Station.

Which of the above statements is/are correct?

- a. 1 only
- b. 2 only
- c. Both 1 and 2
- d. Neither 1 nor 2

Answer : c

Scientists from Botanical Survey of India (BSI) have identified new plant species named *Drypetes kalamii* from Buxa and Jaldapara National Parks in West Bengal. Scientists have provisionally assessed the plant to be "Critically Endangered" as per IUCN (International Union for Conservation of Nature) rules. It faces threat from forest fire and grazing. NASA has named a bacteria found in International Space Station as *Solibacillus kalamii*.

04. Consider the following statements.

1. International Maritime Organization is a specialized agency of United Nations.
2. The IMO had established the World Maritime University in Sweden.
3. The IMO is headquartered in Paris.

Which of the above statements is/are correct?

- a. 1 and 2 only
- b. 2 and 3 only
- c. 1 and 3 only
- d. 1, 2, 3

Answer : a

The International Maritime Organization (IMO), known as the Inter-Governmental Maritime Consultative Organization (IMCO) until 1982, is a specialised agency of the United Nations responsible for regulating shipping. The IMO was established in Geneva in 1948 and came into force ten years later, meeting for the first time in 1959. Headquartered in London, United Kingdom, the IMO has 173 Member States and three Associate Member.

05. Consider the following statements.

1. Rashtriya Sanskriti Mahotsav, 2018 is conducted under Ek Bharat Shrestha Bharat initiative.
2. The Mahotsav is organised in Gujarat by Ministry of Culture.

3. Ek Bharat Shrestha initiative aims to promote engagement amongst the people of different states/UTs so as to enhance mutual understanding and bonding between people of diverse cultures, thereby securing stronger unity and integrity of India.

Which of the above statements in is/are correct?

- a. 1 and 2 only
- b. 2 and 3 only
- c. 1 and 3 only
- d. 1, 2, 3

Answer : c

Rashtriya Sanskriti Mahotsav is the National Cultural festival. The Mahotsav is organised in Madhya Pradesh by Ministry of Culture. It is conducted under Ek Bharat Shrestha Bharat initiative.

06. Consider the following pairs.

Lakes	-	State
1. Patuli lake	-	West Bengal
2. Haflong lake	-	Assam
3. Brahma Sarovar	-	Gujarat

Which of the above pairs is/are correct?

- a. 1 and 2 only
- b. 2 and 3 only
- c. 1 and 3 only
- d. 1, 2, 3



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Answer : a

Brahma Sarovar lake is in Haryana.

07. Consider the following statements.

- 1. Heavy Water Board is a constituent industrial unit of Department of Atomic Energy (DAE).
- 2. It is primarily responsible for production of Heavy Water (D<sub>2</sub>O) which is used as 'moderator' in nuclear power.

Which of the above statements is/are correct?

- a. 1 only
- b. 2 only
- c. Both 1 and 2
- d. Neither 1 nor 2

Answer : c

Heavy Water Board (HWB) is a constituent unit under the Department of Atomic Energy. The organisation is primarily responsible for production of Heavy Water (D<sub>2</sub>O) which is used as a 'moderator' and 'Coolant' in nuclear power as well as research reactors. Heavy water or

deuterium oxide (D<sub>2</sub>O) is a form of water that contains a large amount of the hydrogen isotope deuterium which is also known as heavy hydrogen.

08. Which of the following are the factors affecting distribution of Ocean Salinity?

1. Evaporation
2. Influx of fresh river waters.
3. Ocean Currents
4. Precipitation

Select the correct answer using the codes given below:

- a. 1, 2 and 3 only
- b. 2, 3 and 4 only
- c. 1, 3 and 4 only
- d. 1, 2, 3, 4

Answer : d

Evaporation, precipitation, river water, temperature, atmospheric pressure, wind direction and the movements of sea water are responsible in controlling the salinity.

09. Which of the following statements are correct regarding Mid-latitude cyclones?

1. They usually move across North-America from east to west
2. They are generally found only over the Ocean
3. They generally bring clear skies and little precipitation
4. They are formed in regions of strong temperature contrasts

Select the correct answer using the codes given below:

1. 1, 3 and 4 only
  2. 3 and 4 only
  3. 4 only
  4. 1, 2, 3 and 4
- 
- a. 1, 3 and 4 only
  - b. 3 and 4 only
  - c. 4 only
  - d. 1, 2, 3, 4

Answer : c

Usually move across North-America from west to east under the influence of westerlies. They can be found over both the oceans and continents. Mid-latitude cyclones can produce a wide variety of precipitation types. Precipitation types include: rain, freezing rain, hail, sleet, snow pellets, and snow. Frozen forms of precipitation (except hail) are common with storms that occur in the winter months. Hail is associated with severe thunderstorms that form along or in front of cold fronts during spring and summer months. Mid-latitude cyclones are the result of the dynamic interaction of warm tropical and cold polar air masses at the polar front with strong temperature contrasts.

10. Which of the following indicates sea floor spreading?

1. Volcanic activity along the mid-oceanic ridges.
2. Stripes of normal and reverse magnetic field observed in rocks of ocean floor.
3. Age of rocks from the ocean floor.

Select the correct answer using the codes given below:

- a. 1 and 2 only
- b. 2 and 3 only
- c. 1 and 3 only
- d. 1, 2, 3

Answer : d

The mapping of the ocean floor and palaeomagnetic studies of rocks from oceanic regions revealed the following facts: Rocks closer to the mid-oceanic ridges have normal polarity and are the youngest. The age of the rocks increases as one moves away from the crest. Nowhere was the sediment column found to be older than 200 million years. Constant eruptions at the crest of oceanic ridges cause the rupture of the oceanic crust and the new lava wedges into it, pushing the oceanic crust on either side. The ocean floor thus spreads.



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