

Select the correct answer using the code given below:

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

**Q.15)** In context of Indian climate, consider the following statements regarding the mechanism of weather in the Winter Season:

1. A high-pressure centre in the region lying to the north of the Himalayas develops during winter.
2. The variations in the atmospheric pressure closer to the surface of the earth have significant role to play in the making of upper air circulation.
3. The western cyclonic disturbances enter the Indian subcontinent from the west and the northwest during the winter months.

Select the correct answer using the code given below:

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

**Q.16)** The Tamil Nadu coast remains dry during the monsoon season. Which of the following factor/s is/are responsible for it?

1. It is situated parallel to the Bay of Bengal branch of southwest monsoon.
2. It lies in the windward area of the Arabian Sea branch of the south-west monsoon.

Select the correct answer using the code given below:

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

**Q.17)** 'This River originates in Madhya Pradesh and is a tributary of Yamuna. It meets with Yamuna in Banda district of Uttar Pradesh and with Betwa in Hamirpur District of Uttar Pradesh (UP). This River passes through Panna tiger reserve. The project of linking this river with another river is India's first river interlinking project.'

Which of the following river is described in the above paragraph?

- a) Vaigai
- b) Son
- c) Ken
- d) Betwa

**Q.18)** Consider the following pairs:

- | Origin                 | River |
|------------------------|-------|
| 1. Amarkantak Plateau: | Son   |
| 2. Aravalli Range:     | Banas |

3. Chotanagpur Plateau: Damodar
4. Janapao Hills: Chambal
5. Bandarpunch Peak: Yamuna

Which of the pairs given above are correctly matched?

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

**Q.19)** Consider the following statements regarding the Mahanadi River:

1. The Mahanadi basin extends over four states only.
2. Its source is in the northern foothills of Dandakaranya in Raipur District of Chhattisgarh.
3. The Rivers Dharna, Penganga, Wainganga, Wardha, and Pranahita are its tributaries.

Select the correct answer using the code given below:

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

**Q.20)** Which of the following statement/s is/are correct regarding the effects of Jet streams on Indian monsoon?

1. In the peak summer months, with the apparent northward movement of the sun, the northern branch of the Subtropical Jetstream (STJ), which flows to the south of the Himalayas, shifts to the north of the Himalayas.
2. With the northward shift of Subtropical Jetstream (STJ), an Easterly Jet is formed over the Indian plains.
3. The Easterly Jet creates a low-pressure region in the Indian plains which leads to the sudden onset of south-west monsoons.

Select the correct answer using the code given below:

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

**Q.21)** Consider the following statements:

1. It is the second largest east flowing river of the Peninsula.
2. It is bounded by Balaghat range on the north, by the Eastern Ghats on the south and the east and by the Western Ghats on the west.
3. The Ghatprabha, the Malprabha and the Tungabhadra are its tributaries.

Which of the following river is described in above statements?