

1. Which of the following statements is/are correct regarding Equatorial Counter Current?

1. It is an eastward flowing current found in Indian Ocean only.
2. The counter currents shift south during the northern winter and north during the summer.
3. In the Indian Ocean, the current tends to reverse hemispheres seasonally due to the impact of reversing Asian monsoon.

Select the correct answer using the code given below:

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

2. Consider the following statements about Abyssal Plains:

1. They are extensive under water plains that lie deep ocean.
2. There is no marine life due to the extreme depths of Abyssal Plains

Which of the above statements is/are correct?

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

3. "Oceans have varied and diverse relief features." Consider the following statements in this regard:

1. The end of a continental shelf is characterized by a very steep slope which is termed as shelf break.
2. The Siberian shelf in Arctic Ocean is widest continental shelf in the world.

Which of the above statements is/are correct?

- (a) 1 only
- (b) 2 only
- (c) Both 1 and 2
- (d) Neither 1 or 2

4. "The salinity of oceans varies from one latitude to another and is determined by multiple factors." Consider the following statements in this regard:

1. The ocean currents play an important role in determining the salinity of oceans.
2. Influx of fresh water when rivers meet the oceans decreases the salinity of oceans.
3. The oceans of tropical regions have highest salinity due to intense heat and evaporation of water.

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 and 3

5. Consider the following statements in this regard:

1. Tidal bulges on earth's surface are formed due to balancing act of centrifugal force and gravitational force.
2. Both the gravitational force of the Sun and the moon are responsible for formation of tidal bulges.

Which of the above statements is/are correct?

- (a) 1 only
- (b) 2 only
- (c) Both 1 and 2
- (d) Neither 1 or 2

6. "Different currents flow across the world having different characteristics and impact." Consider the following statements in this regard:

1. Oyashio current is warm water current which flows near Kamchatka plateau.
2. Kuroshio Current is a cold water current which flows near the east coast of Japan.

Which of the above statements is/are correct?

- (a) 1 only
- (b) 2 only
- (c) Both 1 and 2
- (d) Neither 1 or 2

7. Which of the following statements is/are true about the different types of corals?

1. Fringing reef and barrier reef forms lagoon at the coast.
2. Atolls are circular in shape