

**Q.9)** Consider the following statements:

1. The Great Pacific Garbage Patch is the only zone of marine debris formed as a result of action of ocean gyres.
2. Ocean acidification results in increase in the concentration of carbonate ions in the ocean.
3. Hypoxia is a condition of higher levels of oxygen in ocean waters due to eutrophication.

Which of the statements given above is/are **incorrect**?

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

**Q.10)** With reference to the E-waste Management Rules 2016, consider the following statements:

1. It provides that the cost for conducting the Reduction of Hazardous Substances (RoHS) test shall be borne by the producers for all types of e-waste.
2. It introduced the concept of Extended Producer Responsibility (EPR) for the first time in India.

Which of the statements given above is/are correct?

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

**Q.11)** Consider the following statements:

1. One Sun, One World, One Grid initiative is a trans-national grid supply of solar power that started operations in 2020.
2. ISA CARES, established by the International Solar Alliance, seeks to provide solar energy to healthcare facilities.

Which of the statements given above is/are correct?

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

**Q.12)** Consider the following statements:

1. In a microbial fuel cell, chemical energy is converted into electrical energy by the action of bacteria.
2. Hydrogen fuel cells do not emit greenhouse gases.

Which of the statements given above is/are correct?

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