

14. Which of the following are the advantages of fly ash utilization?

1. It works as a soil conditioner and improves water holding capacity.
2. It is used to make stronger and more durable concrete.
3. It is used in the manufacturing of absorbents suitable for drinking water purification.

Select the correct answer using the code given below.

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

15. The National Green Tribunal is competent to hear matters related to which of the following laws?

1. The Wildlife (Protection) Act, 1972
2. The Public Liability Insurance Act, 1991
3. The Biological Diversity Act, 2002
4. Forest Rights Act, 2006

Select the correct answer using the code given below.

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

16. Consider the following statements with reference to the MARPOL Convention:

1. It includes regulations aimed at preventing and minimizing pollution from ships.
2. The convention also deals with air emissions from ships.
3. India is not a signatory to MARPOL Convention.

Which of the statements given above is/are correct?

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

17. Recently, scientists have witnessed Noctiluca Scintillans, along the sea coast of Karnataka. What is Noctiluca Scintillans?

- (a) It is a cluster of eggs of a turtle which is mass-nested in the ocean water itself.
- (b) It is the floating part of a dead coral reef which has bleached over a period of time.
- (c) It is a free-living, marine-dwelling specie of dinoflagellate that exhibits bioluminescence when disturbed.
- (d) It is a type of algae which can be used in the production of biodiesel.

18. Which of the following are considered as the ionizing radiation?

1. X-rays
2. Gamma radiation
3. Infrared radiation
4. Microwaves

Select the correct answer using the code given below.

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

19. According to India's Hazardous and Other Wastes (Management and Transboundary Movement) Rules, which of the following wastes has/have been prohibited for import?

1. Waste edible fats and oils of vegetable or animal origin
2. Household waste
3. Critical care medical equipment

Select the correct answer using the code given below.

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