

PREVIOUS YEAR QUESTIONS

FINDING THE RIGHT GRIP



2011 QUESTIONS

1. Which one of the following is not a site for in-situ method of conservation of flora?



- a. Biosphere Reserves
- b. Botanical Garden
- c. National Park
- d. Wildlife Sanctuary

2011 QUESTIONS

2. Biodiversity forms the basis for human existence in the following ways :

- 1. Soil formation**
- 2. Prevention of soil erosion**
- 3. Recycling of waste**
- 4. Pollination of crops**

Select the correct answer using the codes given below:

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



2011 QUESTIONS

3. Consider the following statements:

1. Biodiversity is normally greater in the lower latitudes as compared to the higher latitudes.
2. Along the mountain gradients, biodiversity is normally greater in the lower altitudes as compared to the higher altitudes.

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



2011 QUESTIONS



4. Three of the following criteria have contributed to the recognition of Western Ghats-Sri Lanka and Indo-Burma regions as hotspots of biodiversity: (2011)

1. Species richness
2. Vegetation density
3. Endemism
4. Ethno-botanical importance
5. Threat perception
6. Adaptation of flora and fauna to warm and humid conditions

Which three of the above are correct criteria in this context?

(a) 1, 2 and 6

(b) 2, 4 and 6

(c) 1, 3 and 5

(d) 3, 4 and 6

2011 QUESTIONS

5. Two important rivers — one with its source in Jharkhand (and known by a different name in Odisha), and another, with its source in Odisha — merge at a place only a short distance from the coast of Bay of Bengal before flowing into the sea. This is an important site of wildlife and biodiversity and a protected area.

Which one of the following could be this?

- (a) Bhitarkanika
- (b) Chandipur-on-sea
- (c) Gopalpur-on-sea
- (d) Simlipal



2011 QUESTIONS

6. In the Union Budget 2011-12, a full exemption from the basic customs duty was extended to the bio-based asphalt (bio-asphalt). What is the importance of this material?

1. Unlike traditional asphalt, bio-asphalt is not based on fossil fuels.
2. Bio-asphalt can be made from non-renewable resources.
3. Bio-asphalt can be made from organic waste materials.
4. It is eco-friendly to use bio-asphalt for surfacing of the roads.

Which of the statements given above are correct?

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



2011 QUESTIONS

7. Consider the following:

1. Carbon dioxide
2. Oxides of Nitrogen
3. Oxides of Sulphur

Which of the above is/are the emission/ emissions from coal combustion at thermal power plants?

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



2011 QUESTIONS

8. There is a concern: over the increase in harmful algal blooms in the seawaters of India. What could be the causative factors for this phenomenon? (2011)

1. Discharge of nutrients from the estuaries.
2. Run-off from the land during the monsoon.
3. Upwelling in the seas.

Select the correct answer from the codes given below:

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



2011 QUESTIONS

9. The 'Red Data Books' published by the International Union for Conservation of Nature and Natural Resources (IUCN) contain lists of

1. Endemic plant and animal species present in the biodiversity hotspots.
2. Threatened plant and animal species.
3. Protected sites for conservation of nature & natural resources in various countries.

Which of the statement given above is/are correct ?

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



2011 QUESTIONS



10. With reference to India, consider the following Central Acts:

1. Import and Export (Control) Act, 1947

2. Mining and Mineral Development (Regulation) Act, 1957

3. Customs Act, 1962

4. Indian Forest Act, 1927

Which of the above Acts have relevance to/bearing on the biodiversity conservation in the country?

(a) 1 and 3 only

(b) 2, 3 and 4 only

(c) 1, 2, 3 and 4

(d) None of the above Acts

2012 QUESTIONS

1. Consider the following kinds of organisms :

1. Bacteria
2. Fungi
3. Flowering plants

Some species of which of the above kinds of organisms are employed as biopesticides?

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



2012 QUESTIONS



2. Biomass gasification is considered to be one of the sustainable solutions to the power crisis in India. In this context, which of the following statements is/are correct? (2012)

1. Coconut shells, groundnut shells and rice husk can be used in biomass gasification.
2. The combustible gases generated from biomass gasification consist of hydrogen and carbon dioxide only.
3. The combustible gases generated from biomass gasification can be used for direct heat generation but not in internal combustion engines. Select the correct answer using the codes given below :

(a) 1 only

(b) 2 and 3 only

(c) 1 and 3 only

(d) 1, 2 and 3

2012 QUESTIONS



3. Consider the following areas:

1. Bandipur

2. Bhitarkanika

3. Manas

4. Sunderbans

Which of the above are Tiger Reserves?

(a) 1 and 2 only

(b) 1, 3 and 4 only

(c) 2, 3 and 4 only

(d) 1, 2, 3 and 4

2012 QUESTIONS

4. In which one among the following categories of protected areas in India are local people not allowed to collect and use the biomass?

- (a) Biosphere Reserves
- (b) National Parks
- (c) Wetlands declared under Ramsar Convention
- (d) Wildlife Sanctuaries



2012 QUESTIONS



5. Consider the following kinds of organisms:

1. Bat
2. Bee
3. Bird

Which of the above is/are pollinating agent/agents?

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

2012 QUESTIONS



6. A particular State in India has the following characteristics :

1. It is located on the same latitude which passes through northern Rajasthan.
2. It has over 80% of its area under forest cover.
3. Over 12% of forest cover constitutes Protected Area Network in this State.

Which one among the following States has all the above characteristics?

(a) Arunachal Pradesh

(b) Assam

(c) Himachal Pradesh

(d) Uttarakhand

2012 QUESTIONS



7. What is the role of ultraviolet (UV) radiation in the water purification systems?

1. It inactivates /kills the harmful microorganisms in water.
2. It removes all the undesirable odours from the water.
3. It quickens the sedimentation of solid particles, removes turbidity and improves the clarity of water.

Which of the statements given above is/are correct?

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

2011-2012



8. The acidification of oceans is increasing. Why is this phenomenon a cause of concern?

- 1. The growth and survival of calcareous phytoplankton will be adversely affected.**
- 2. The growth and survival of coral reefs will be adversely affected.**
- 3. The survival of some animals that have phytoplanktonic larvae will be adversely affected.**
- 4. The cloud seeding and formation of clouds will be adversely affected.**

Which of statements given above is/are correct?

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

2011-12 QUESTIONS

9. What is the difference between the antelopes Oryx and Chiru?

- a. Oryx is adapted to live in hot and arid areas whereas Chiru is adapted to live in steppes and semi-desert areas of cold high mountains. .
- b. Oryx is poached for its antlers whereas Chiru is poached for its musk.
- c. Oryx exists in western India only whereas Chiru exists in north-east India only.
- d. None of the statements a, b, and c given above is correct.

