



PREVIOUS YEAR QUESTION PAPERS

2011 QUESTION PAPER

ENVIRONMENTAL ECOLOGY & BIODIVERSITY

1. 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

2. Three of the following criteria have contributed to the recognition of Western Ghats - Sri Lanka and Indo-Burma regions as hotspots of bio-diversity.

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

3. 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

4. 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

5. Among the following States, which one has the most suitable climatic conditions for the cultivation of a large variety of orchids with minimum cost of production, and can develop an export oriented industry in this field?

- a. Andhra Pradesh
- b. Arunachal Pradesh
- c. Madhya Pradesh
- d. Uttar Pradesh

6. A sandy and saline area is the natural habitat of an Indian animal species. The animal has no predators in that area but its existence is threatened due to the destruction of its habitat. Which one of the following could be that animal?

- a. Indian wild buffalo
- b. Indian wild ass
- c. Indian wild boar
- d. Indian Gazelle



7. 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

8. In the context of eco-system productivity, marine upwelling zones are important as they increase the marine productivity by bringing the

1. Decomposer microorganisms to the surface.
2. Nutrients to the surface.
3. Bottom-dwelling organisms to the surface.

Which of the statements given above is/are correct?

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

9. The 2004 Tsunami made people realize that mangroves can serve as a reliable safety hedge against coastal calamities. How do mangroves function as a safety hedge?

- a. The mangroves swamps separate the human settlements from the sea by a wide zone in which people neither live nor venture out
- b. The mangroves provide both food and medicines which people are in need of after any natural disaster.
- c. The mangroves trees are tall with dense canopies and serve as an excellent shelter during a cyclone or tsunami
- d. The mangroves trees do not get uprooted by storms and tides because of their extensive roots.

10. 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?

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

11. The Himalayan Range is very rich in species diversity. Which one among the following is the most appropriate reason for this phenomenon?

- a. It has a high rainfall that supports luxuriant vegetative growth.
- b. It is a confluence of different bio geographical zones.
- c. Exotic and invasive species have not been introduced in this region.
- d. It has less human interference.

12. If a tropical rain forest is removed, it does not regenerate quickly as compared to a tropical deciduous forest. This is because

- a. the soil of rain forest is deficient in nutrients
- b. propagules of the trees in a rain forest have poor viability
- c. the rain forest species are slow-growing
- d. exotic species invade the fertile soil of rain forest.

13. When the bark of a tree is removed in a circular fashion all around near its base, it generally dries up and dies because

- a. Water from soil cannot rise to aerial parts.
- b. Roots are starved of energy
- c. Tree is infected by soil microbes
- d. Roots do not receive oxygen for respiration

CLIMATE CHANGE

14. Consider the following:

1. Photosynthesis
2. Respiration
3. Decay of organic matter
4. Volcanic action

Which of the above add carbon dioxide to the carbon cycle on Earth?

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

15. 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

16. The formation of ozone hole in the Antarctic region has been a cause of concern. What could be the reason for the formation of this hole?

- a. Presence of prominent tropospheric turbulence; and inflow of chlorofluoro carbons
b. Presence of prominent polar front and stratospheric clouds; and inflow of chloro fluorocarbons
c. Absence of polar front and stratospheric clouds; and inflow of methane and chloro fluorocarbons.
d. Increased temperature at polar region due to global warming

17. Regarding "carbon credits", which one of the following statements is not correct?

- a. The carbon credit system was ratified in conjunction with the Kyoto Protocol
b. Carbon credits are awarded to countries or groups that have reduced greenhouse gases below their emission quota
c. The goal of the carbon credit system is to limit the increase of carbon emission quota
d. Carbon credits are traded at a price fixed from time to time by the United Nations Environment Programme.

ACT & POLICIES

18. 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 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

CURRENT AFFAIRS

19. Recently, 'oilzapper' was in the news. What is it?

- a. It is an eco-friendly technology for the remediation of oil sludge and oil spills.
b. It is the latest technology developed for under-sea oil exploration.
c. It is a genetically engineered high biofuel yielding maize variety.
d. It is the latest technology to control the accidentally caused flames from oil wells.

MAP BASED QUESTION

20. 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 bio-diversity 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 - Answers

1(c)	2(c)	3(d)	4(b)	5(b)	6(b)	7(b)	8(b)	9(d)	10(d)
11(b)	12(a)	13(a)	14(c)	15(d)	16(b)	17(d)	18(c)	19(a)	20(a)





2012 QUESTION PAPER

1. Which of the following can be threats to the biodiversity of a geographical area?

1. Global warming
2. Fragmentation of habitat
3. Invasion of alien species
4. Promotion of vegetarianism

Select the correct answer using the codes given below.

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

2. 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

3. Consider the following protected areas

1. Bandipur
2. Bhitarkanika
3. Manas
4. Sunderbans

Which of the above are declared Tiger Reserves?

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

4. 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.

5. Consider the following:

1. Black-necked crane
2. Cheetah
3. Flying squirrel
4. Snow leopard

Which of the above are naturally found in India?

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

6. 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 |

7. Which one of the following groups of animals belongs to the category of endangered species?

- a. Great Indian Bustard, Musk Deer, Red Panda and Asiatic Wild Ass
- b. Kashmir Stag, Cheetal, Blue Bull and Great Indian Bustard
- c. Snow Leopard, Swamp Deer, Rhesus Monkey and Saras (Crane)
- d. Lion-tailed Macaque, Blue Bull, Hanuman Langur and Cheetal

8. What would happen if phytoplankton of an ocean is completely destroyed for some reason?

1. The ocean as a carbon sink would be adversely affected.
2. The food chains in the ocean would be adversely affected.
3. The density of ocean water would drastically decrease.

Select the using codes given below:

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



9. With reference to the wetlands of India, consider the following statements:

1. The country's total geographical area under the category of wetlands is recorded more in Gujarat as compared to other States.
2. In India, the total geographical area of coastal wetlands is larger than that of inland wetlands.

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

10. Vultures which used to be very common in Indian countryside some years ago are rarely seen nowadays. This is attributed to

- a. the destruction of their nesting sites by new invasive species.
- b. a drug used by cattle owners for treating their diseased cattle.
- c. scarcity of food available to them
- d. a widespread, persistent and fatal disease among them

CLIMATE CHANGE

11. Consider the following statements: Chlorofluorocarbons, known as ozone-depleting substances, are used

1. in the production of plastic foams
2. in the production of tubeless tyres
3. in cleaning certain electronic components
4. as pressurizing agents in aerosol cans

Which of the statements given above is/are correct?

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

12. The increasing amount of carbon dioxide in the air is slowly raising the temperature of the atmosphere, because it absorbs

- a. the water vapour of the air and retains its heat.
- b. the ultraviolet part of the solar radiation.
- c. all the solar radiations.
- d. the infrared part of the solar radiation

13. 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

ACT & POLICIES

14. The National Green Tribunal Act, 2010 was enacted in consonance with which of the following provisions of the Constitution of India?

1. Right to healthy environment, construed as a part of part of Right to life under Article 21.
2. Provision of grants for raising the level of administration in the Scheduled Areas for the welfare of Scheduled Tribes under Article 275(1)

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

15. How does National Biodiversity Authority (NBA) help in protecting the Indian agriculture?

1. NBA checks the biopiracy and protects the indigenous and traditional genetic resources.
2. NBA directly monitors and supervises the scientific research on genetic modification of crop plants.
3. Application for intellectual Property Rights related to genetic / biological resources cannot be made without the approval of NBA.

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



CURRENT AFFAIRS

16. Government of India encourages the cultivation of 'sea buckthorn'. What is the importance of this plant?

- It helps in controlling soil erosion and in preventing desertification.
- It is a rich source of biodiesel.
- It has nutritional value and is well-adapted to live in cold areas of high altitudes.
- Its timber is of great commercial value.

MAP BASED QUESTION

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

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

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

- Arunachal Pradesh
- Assam
- Himachal Pradesh
- Uttarakhand

2012 - Answers

1 (a)	2 (b)	3 (b)	4 (a)	5 (b)	6 (d)	7 (a)	8 (a)	9 (a)	10 (b)
11 (d)	12 (d)	13 (a)	14 (a)	15 (c)	16 (a)	17 (a)			

(Q.no. 7 is disputed)





2013 QUESTION PAPER

ENVIRONMENTAL ECOLOGY, BIODIVERSITY, CLIMATE CHANGE, ACT & POLICIES, CURRENT AFFAIRS AND MAP BASED QUESTIONS
1. Consider the following statements:

Which one among the following industries is the maximum consumer of water in India?

- (a) Engineering (b) Paper and pulp
(c) Textiles (d) Thermal power

2. Fruits stored in a cold chamber exhibit longer storage life because

- (a) Exposure to sunlight is prevented
(b) Concentration of carbon dioxide in the environment is increased
(c) Rate of respiration is decreased
(d) There is an increase in humidity

3. Consider the following fauna of India:

1. Gharial
2. Leatherback turtle
3. Swamp deer

Which of the above is/are endangered?

- (a) 1 and 2 only (b) 3 only
(c) 1, 2 and 3 (d) None

4. Many transplanted seedling do not grow because

- (a) the new soil does not contain favourable minerals
(b) most of the root hairs grip the new soil too hard
(c) most of the root hair are lost during transplantation
(d) leaves get damaged during transplantation

5. Which of the following leaf modification occurs/ occur in desert areas to inhibit water loss?

1. Hard and waxy leaves
2. Tiny leaves or no leaves
3. Thorns instead of leaves

Select the correct answer using the codes given below:

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

6. Mycorrhizal biotechnology has been used in rehabilitating degraded sites because mycorrhiza enables the plants to

1. Resist drought and increase absorptive area
2. Tolerate extremes of pH
3. Resist disease infestation

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

7. With reference to the food chains in ecosystems, which of the following kinds of organism is/are known as decomposer organism/organisms?

1. Virus
2. Fungi
3. Bacteria

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

8. Which of the following is/are unique characteristic/ characteristics of equatorial forests?

1. Presence of tall, closely set trees with crowns forming a continuous canopy.
2. Coexistence of a large number of species.
3. Presence of numerous varieties of epiphytes.

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

9. Consider the following crops:

1. Cotton
2. Groundnut
3. Rice
4. Wheat

Which of these are Kharif crops?

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



10. "Climate is extreme, rainfall is scanty and the people used to be nomadic herders".

The above statement best describes which of the following regions?

- (a) African Savannah
- (b) Central Asian Steppe
- (c) North American Prairie
- (d) Siberian Tundra

11. Under the Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006, who shall be the authority to initiate the process for determining the nature and extent of individual or community forest rights or both?

- (a) State Forest Department
- (b) District Collector / Deputy Commissioner
- (c) Tahsildar / Block Development Officer / Mandal Revenue Officer
- (d) Gram Sabha

12. Improper handling and storage of cereal grains and oilseeds result in the production of toxins known as aflatoxins which are not generally destroyed by normal cooking process. Aflatoxins are produced by

- (a) bacteria
- (b) protozoa
- (c) moulds
- (d) viruses

13. Due to improper / indiscriminate disposal of old and used computers or their parts, which of the following are released into the environment as e-waste?

- 1. Beryllium
- 2. Cadmium
- 3. Chromium
- 4. Heptachlor
- 5. Mercury
- 6. Lead
- 7. Plutonium

Select the correct answer using the codes given below.

- (a) 1, 3, 4, 6 and 7 only
- (b) 1, 2, 3, 5 and 6 only
- (c) 2, 4, 5 and 7 only
- (d) 1, 2, 3, 4, 5, 6 and 7

14. Acid rain is caused by the pollution of environment by

- (a) carbon dioxide and nitrogen
- (b) carbon monoxide and carbon dioxide
- (c) ozone and carbon dioxide
- (d) nitrous oxide and sulphur dioxide

15. With reference to food chains in ecosystems, consider the following statements:

- 1. A food chain illustrates the order in which a chain of organisms feed upon each other.
- 2. Food chains are found within the populations of a species.
- 3. A food chain illustrates the numbers of each organism which are eaten by others.

Which of the statements given above is/are correct?

- (a) 1 only (doubt)
- (b) 1 and 2 only
- (c) 1, 2 and 3
- (d) None (Doubt)

16. Consider the following pairs:

National Park	River flowing through the Park
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- 1. Corbett National Park : Ganga
- 2. Kaziranga National Park : Manas
- 3. Silent Valley National Park : Kaveri

Which of the above pairs is/are correctly matched?

- (a) 1 and 2
- (b) 3 only
- (c) 1 and 3
- (d) None

17. Consider the following organisms:

- 1. Agaricus
- 2. Nostoc
- 3. Spirogyra

Which of the above is/are used as biofertilizer/ biofertilizers?

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

18. Which of the following adds/add nitrogen to the soil?

- 1. Excretion of urea by animals
- 2. Burning of coal by man
- 3. Death of vegetation

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



19. In which of the following States is lion-tailed macaque found in its natural habitat?

1. Tamil Nadu
2. Kerala
3. Karnataka
4. Andhra Pradesh

Select the correct answer using the codes given below:

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

20. Which one of the following terms describes not only the physical space occupied by an organism, but also its functional role in the community of organisms?

- (a) Ecotone (b) Ecological niche
(c) Habitat (d) Home range

21. Photochemical smog is a resultant of the reaction among

- (a) NO_2 , O_3 and peroxyacetyl nitrate in the presence of sunlight
(b) CO , O^3 and peroxyacetyl nitrate in the presence of sunlight
(c) CO , CO_2 and NO_2 at low temperature
(d) high concentration of NO_2 , O_3 and CO in the evening

22. Recombinant DNA technology (Genetic Engineering) allows genes to be transferred

1. across different species of plants
2. from animals to plants
3. from microorganisms to higher organisms

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

23. Consider the following:

1. Star tortoise
2. Monitor lizard
3. Pygmy hog
4. Spider monkey

Which of the above are naturally found in India?

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

24. Which of the following can be found as pollutants in the drinking water in some parts of India?

1. Arsenic
2. Sorbitol
3. Fluoride
4. Formaldehyde
5. Uranium

Select the correct answer using the codes given below.

- (a) 1 and 3 only (b) 2, 4 and 5 only
(c) 1, 3 and 5 only (d) None

25. Consider the following Animals

1. Sea cow
2. Sea horse
3. Sea lion

Which of the above is / are mammal/mammals?

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

26. With Reference to the usefulness of the by-products of sugar industry, which of the following statements is/are correct?

1. Begasse can be used as biomass fuel for the generation of energy
2. Molasses can be used as one of the feedstocks for the production of synthetic chemical fertilizers.
3. Molasses can be used for the production of ethanol.

Select the correct answer using the codes given below

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

27. Consider the following pairs:

1. Nokrek Bio-sphere Reserve : Garo Hills
2. Logtak (Loktak) Lake : Barail Range
3. Namdapha National Park : Dafla Hills

Which of the above pairs is/are correctly matched?

- (a) 1 only (b) 2 and 3 only
(c) 1, 2 and 3 (d) None

28. In the grasslands, trees do not replace the grasses as a part of an ecological succession because of

- (a) Insects and fungi
(b) Limited sunlight and paucity of nutrients
(c) Water limits and fire
(d) None of the above



29. Which of the following is the correct sequence of ecosystems in the order of decreasing productivity?

- (a) Oceans, lakes, grasslands, mangroves
- (b) Mangroves, oceans, grasslands, lakes
- (c) Mangroves, grasslands, lakes, oceans
- (d) Oceans, mangroves, lakes, grasslands.

30. Contour bunding is a method of soil conservation used in

- (a) Desert margins, liable to strong wind action
- (b) Low flat plains, close to stream course, liable to flooding
- (c) Scrublands, liable to spread of weed growth
- (d) None of the above

2013 - Answers

1(d)	2(c)	3(d)	4(c)	5(d)	6(d)	7(b)	8(d)	9(c)	10(b)
11(d)	12(c)	13(b)	14(d)	15(a (or) (d) doubt)	16(d)	17(b)	18(c)	19(a)	20(b)
21(a)	22(d)	23(a)	24(c)	25(b)	26(c)	27(a)	28(c)	29(c)	30(d)





2014 QUESTION PAPER

ENVIRONMENTAL ECOLOGY, BIODIVERSITY, CLIMATE CHANGE, ACT & POLICIES, CURRENT AFFAIRS AND MAP BASED QUESTIONS

1. With reference to 'Eco-Sensitive Zones', which of the following statements is/are correct?

1. Eco-Sensitive Zones are the areas that are declared under the Wildlife (Protection) Act, 1972.
2. The purpose of the declaration of Eco-Sensitive Zones is to prohibit all kinds of human activities in those zones except agriculture.

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

2. Consider the following statements:

1. Animal Welfare Board of India is established under the Environment (Protection) Act, 1986.
2. National Tiger Conservation Authority is a statutory body.
3. National Ganga River Basin Authority is chaired by the Prime Minister.

Which of the statements given above is/are correct?

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

3. There is some concern regarding the nanoparticles of some chemical elements that are used by the industry in the manufacture of various products. Why?

1. They can accumulate in the environment, and contaminate water and soil.
2. They can enter the food chains.
3. They can trigger the production of free radicals.

Select the correct answer using the code given below.

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

4. Which of the following have coral reefs?

1. Andaman and Nicobar Islands
2. Gulf of Kachchh

3. Gulf of Mannar

4. Sunderbans

Select the correct answer using the code given below.

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

5. In India, the problem of soil erosion is associated with which of the following?

1. Terrace cultivation
2. Deforestation
3. Tropical Climate

Select the correct answer using the code given below

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

6. Consider the following Pairs:

Wetlands

Confluence of rivers

1. Harike Wetlands : Confluence of Beas and Satluj / Sutlej
2. Keoladeo Ghana : Confluence of National Park Banas and Chambal
3. Kolleru Lake : Confluence of Musi and Krishna

Which of the above pairs is/are correctly matched?

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

7. The most important strategy for the conservation of biodiversity together with traditional human life is the establishment of

- (a) biosphere reserves
- (b) botanical gardens
- (c) national parks
- (d) wildlife sanctuaries

8. The scientific view is that the increase in global temperature should not exceed 2°C above pre-industrial level. If the global temperature increases beyond 3°C above the pre-industrial level, what can be its possible impact/impacts on the world?

1. Terrestrial biosphere tends toward a net carbon source
2. Widespread coral mortality will occur



3. All the global wetlands will permanently disappear.
4. Cultivation of cereals will not be possible anywhere in the world

Select the correct answer using the code given below:

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

9. What are the benefits of implementing the Integrated Watershed Development Programme?

1. Prevention of soil runoff
2. Linking the country's perennial rivers with seasonal rivers
3. Rainwater harvesting and recharge of groundwater table.
4. Regeneration of natural vegetation.

Select the correct answer using the code given below:

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

10. Lichens, which are capable of initiating ecological succession even on a bare rock, are actually a symbiotic association of

- (a) algae and bacteria
(b) algae and fungi
(c) bacteria and fungi
(d) fungi and mosses

11. If you travel through the Himalayas, you are likely to see which of the following plants naturally growing there?

1. Oak
2. Rhododendron
3. Sandalwood

Select the correct answer using the code given below.

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

12. Which of the following are some important pollutants released by steel industry in India?

1. Oxides of sulphur
2. Oxides of nitrogen
3. Carbon monoxide
4. Carbon dioxide

Select the correct answer using the code given below.

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

13. Every year, a month long ecologically important campaign / festival is held during which certain communities / tribes plant saplings of fruit-bearing trees. Which of the following are such communities / tribes?

- (a) Bhutia and Lepcha
(b) Gond and Korku
(c) Irula and Toda
(d) Sahariya and Agariya

14. With reference to two non-conventional energy sources called 'coalbed methane' and 'shale gas', consider the following statements:

1. Coalbed methane is the pure methane gas extracted from coal seams, while shale gas is a mixture of propane and butane only that can be extracted from fine-grained sedimentary rocks.
2. In India, abundant coalbed methane sources exist, but so far no shale gas sources have been found.

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

15. In India, cluster bean (Guar) is traditionally used as a vegetable or animal feed, but recently the cultivation of this has assumed significance. Which one of the following statements is correct in this context?

- (a) The oil extracted from seeds is used in the manufacture of biodegradable plastics
(b) The gun made from its seeds is used in the extraction of shale gas
(c) The leaf extract of this plant has the properties of anti-histamines
(d) It is a source of high quality biodiesel

16. With reference to Neem tree, consider the following statements:

1. Neem oil can be used as a pesticide to control the proliferation of some species of insects and mites.
2. Neem seeds are used in the manufacture of biofuels and hospital detergents.
3. Neem oil has applications in pharmaceutical industry.

Which of the statements given above is / are correct?

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



17. Which one of the following is the process involved in photosynthesis?

- (a) Potential energy is released to form free energy
- (b) Free energy is converted into potential energy and stored
- (c) Food is oxidized to release carbon dioxide and water
- (d) Oxygen is taken, and carbon dioxide and water vapour are given out

18. Which of the following statements is / are correct regarding vegetative propagation of plants?

- 1. Vegetative propagation produces clonal population.
- 2. Vegetative propagation helps in eliminating the virus.
- 3. Vegetative propagation can be practiced most of the year.

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

19. Among the following organisms, which one does not belong to the class of other three?

- (a) Crab
- (b) Mite
- (c) Scorpion
- (d) Spider

20. Consider the following international agreements:

- 1. The International Treaty on Plant Genetic Resources for Food and Agriculture.
- 2. The United Nations Convention to Combat Desertification.
- 3. The World Heritage Convention.

Which of the above has/have a bearing on the biodiversity?

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

21. Consider the following statements regarding 'Earth Hour'

- 1. It is an initiative of UNEP and UNESCO.
- 2. It is a movement in which the participants switch off the lights for one hour on a certain day every year.

3. It is a movement to raise the awareness about the climate change and the need to save the planet.

Which of the statements given above is/are correct?

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

22. Which one of the following is the correct sequence of a food chain?

- (a) Diatoms-Crustaceans-Herrings.
- (b) Crustaceans-Diatoms-Herrings.
- (c) Diatoms-Herrings-Crustaceans.
- (d) Crustaceans-Herrings-Diatoms.

23. What are the significances of a practical approach to sugarcane production known as 'Sustainable Sugarcane Initiative'?

- 1. Seed cost is very low in this compared to the conventional method of cultivation.
- 2. Drip irrigation can be practiced very effectively in this.
- 3. There is no application of chemical/inorganic fertilizers at all in this.
- 4. The scope for inter cropping is more in this compared to the conventional method of cultivation.

Select the correct answer using the code given below.

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

24. If a wetland of international importance is brought under the 'Montreux Record', what does it imply?

- (a) Changes in ecological character have occurred, are occurring or are likely to occur in the wetland as a result of human interference.
- (b) The country in which the wetland is located should enact a law to prohibit any human activity within five kilometers from the edge of the wetland.
- (c) The survival of the wetland depends on the cultural practices and traditions of certain communities living in its vicinity and therefore the cultural diversity therein should not be destroyed.
- (d) It is given the status of 'World Heritage Site'.



25. With reference to Bombay Natural History Society (BNHS), consider the following statements:

1. It is an autonomous organization under the Ministry of Environment and Forests.
2. It strives to conserve nature through action based research, education and public awareness.
3. It organizes and conducts nature trails and camps for the general public.

Which of the statements given above is/are correct?

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

26. With reference to 'Global Environment Facility', which of the following statements is/are correct?

- (a) It serves as financial mechanism for 'Convention on Biological Diversity' and 'United Nations Framework Convention on Climate Change'.
- (b) It undertakes scientific research on environmental issues at global level.
- (c) It is an agency under OECD to facilitate the transfer of technology and funds to underdeveloped countries with specific aim to protect their environment.
- (d) Both (a) and (b).

27. Consider the following pairs:

1. Dampa Tiger Reserve : Mizoram
2. Gumti Wildlife Sanctuary : Sikkim
3. Saramati Peak : Nagaland

Which of the above pairs is/are correctly matched?

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

28. With reference to a conservation organization called 'Wetlands International', which of the following statements is/are correct?

1. It is an intergovernmental organization formed by the countries which are signatories to Ramsar Convention.
2. It works at the field level to develop and mobilize knowledge, and use the practical experience to advocate for better policies.

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

29. Which of the following phenomena might have influenced the evolution of organisms?

1. Continental drift
2. Glacial cycles

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

30. Other than poaching, what are the possible reasons for the decline in the population of Ganges River Dolphins?

1. Construction of dams and barrages on rivers.
2. Increase in the population of crocodiles in rivers.
3. Getting trapped in fishing nets accidentally.
4. Use of synthetic fertilizers and other agricultural chemicals in crop-fields in the vicinity of rivers.

Select the correct answer using the code given below:

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

31. Brominated flame retardants are used in many household products like mattresses and upholstery. Why is there some concern about their use?

1. They are highly resistant to degradation in the environment.
2. They are able to accumulate in humans and animals.

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

32. Consider the following:

1. Bats
2. Bears
3. Rodents

The phenomenon of hibernation can be observed in which of the above kinds of animals?

- (a) 1 and 2 only
(b) 2 only
(c) 1, 2 and 3
(d) Hibernation cannot be observed in any of the above.



33. Which of the following adds/add carbon dioxide to the carbon cycle on the planet Earth?

1. Volcanic action
2. Respiration
3. Photosynthesis
4. Decay of organic matter

Select the correct answer using the code given below.

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

34. If you walk through countryside, you are likely to see some birds stalking alongside the cattle to seize the insects disturbed by their movement through grasses. Which of the following is / are such bird/birds?

1. Painted Stork
2. Common Myna
3. Black-necked Crane

Select the correct answer using the code given below.

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

2014 - Answers

1(d)	2(b)	3(d)	4(a)	5(b)	6(a)	7(a)	8(b)	9(c)	10(b)	11(a)	12(d)	13(b)	14(d)	15(b)	16(c)	17(b)
18(c)	19(a)	20(d)	21(c)	22(a)	23(b)	24(a)	25(c)	26(a)	27(c)	28(b)	29(c)	30(c)	31(c)	32(c)	33(c)	34(b)





2015 QUESTION PAPER

1. Which one of the following National Parks has a climate that varies from tropical to subtropical, temperate and arctic?
 - a) Khangchendzonga National park
 - b) Nandadevi National Park
 - c) Neora Valley National Park
 - d) Namdapha National park
2. 'BioCarbon Fund Initiative for Sustainable Forest Landscapes' is managed by the
 - (a) Asian Development Bank
 - (b) International Monetary Fund
 - (c) United Nations Environment Programme
 - (d) World Bank
3. The Genetic Engineering Appraisal Committee is constituted under the
 - (a) Food Safety and Standards Act, 2006
 - (b) Geographical Indications of Goods (Registration and Protection) Act, 1999
 - (c) Environment (Protection) Act, 1986
 - (d) Wildlife (Protection) Act, 1972
4. With reference to 'Forest Carbon Partnership Facility', which of the following statements is/are correct?
 1. It is global partnership of governments, businesses, civil society and indigenous peoples
 2. It provides financial aid to universities, individual scientists and institutions involved in scientific forestry research to develop eco-friendly and climate adaptation technologies for sustainable forest management
 3. It assists the countries in their 'REDD+ (Reducing Emission from Deforestation and Forest Degradation+)' efforts by providing them with financial and technical assistance.

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
5. In India, in which one of the following types of forests is teak a dominant tree species?
 - a) Tropical moist deciduous forest
 - b) Tropical rain forest
 - c) Tropical thorn scrub forest
 - d) Temperate forest with grasslands
6. Which one of the following is the best description of the term "ecosystem"?
 - a) A community of organisms interacting with one another
 - b) That part of the Earth which is inhabited by living organisms
 - c) A community of organisms together with the environment in which they live.
 - d) The flora and fauna of a geographical area.
7. H1N1 virus is sometimes mentioned in the news with reference to which one of the following diseases?
 - (a) AIDS
 - (b) Bird flu
 - (c) Dengue
 - (d) swine flu
8. Which of the following National Parks is unique in being a swamp with floating vegetation that supports a rich biodiversity?
 - a) Bhitarkanika National Park
 - b) Keibul Lamjao National Park
 - c) Keoladeo Ghana National park
 - d) Sultanpur National park
9. With reference to the International Union for Conservation of Nature and Natural Resources (IUCN) and the Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES), which of the following statements is/are correct?
 1. IUCN is an organ of the United Nations and CITES is an international agreement between governments
 2. IUCN runs thousands of field projects around the world to better manage natural environments.



3. CITES is legally binding on the States that have joined it, but this Convention does not take the place of national laws.
- 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
10. With reference to 'fly ash' produced by the power plants using the coal as fuel, which of the following statements is/are correct?
1. Fly ash can be used in the production of bricks for building construction
 2. Fly ash can be used as a replacement for some of the Portland cement contents of concrete
 3. Fly ash is made up of silicon dioxide and calcium oxide only, and does not contain any toxic elements.
- Select the correct answer using the code given below
- a) 1 and 2 b) 2 only
c) 1 and 3 d) 3 only
11. With reference to 'dugong', a mammal found in India, which of the following statements is/are correct?
1. It is a herbivorous marine animal.
 2. It is found along the entire coast of India
 3. It is given legal protection under Schedule 1 of the Wildlife (Protection) Act, 1972.
- Select the correct answer using the code given below.
- a) 1 and 2 b) 2 only
c) 1 and 3 d) 3 only
12. Which one of the following is the national aquatic animal of India?
- a) Saltwater crocodile
 - b) Olive ridley turtle
 - c) Gangetic dolphin
 - d) Gharial
13. Which one of the following regions of India has a combination of mangrove forest, evergreen forest and deciduous forest?
- a) North Coastal Andhra Pradesh
 - b) South-West Bengal
 - c) Southern Saurashtra
 - d) Andaman and Nicobar Islands
14. Which one of the following is associated with the issue of control and phasing out of the use of ozone-depleting substances?
- a) Bretton Woods Conference
 - b) Montreal Protocol
 - c) Kyoto Protocol
 - d) Nagoya Protocol
15. What is Rio+20 Conference, often mentioned in the news?
- a) It is the United nations Conference on Sustainable Development
 - b) It is a Ministerial Meeting of the World Trade Organization
 - c) It is a Conference of the Inter-governmental Panel on Climate Change
 - d) It is a Conference of the Member Countries of the Convention on Biological Diversity
16. Which of the following statements regarding 'Green Climate Fund' is/are correct?
1. It is intended to assist the developing countries in adaptation and mitigation practices to counter climate change.
 2. It is founded under the aegis of UNEP, OECD, Asian Development Bank and World Bank
- 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

2015 - Answers

1(d)	2(d)	3(c)	4(c)	5(a)	6(c)	7(d)	8(b)	9(b)	10(a)	11(c)	12(c)	13(d)	14(b)	15(a)	16(a)
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2016 QUESTION PAPER

1. The FAO accords the status of 'Globally Important Agricultural Heritage System (GIAHS)' to traditional agricultural systems. What is the overall goal of this initiative?

1. To provide modern technology, training in modern farming methods and financial support to local communities of identified GIAHS so as to greatly enhance their agricultural productivity
2. To identify and safeguard eco-friendly traditional farm practices and their associated landscapers, agricultural biodiversity and knowledge systems of the local communities
3. To provide Geographical Indication status to all the varieties of agricultural produce in such identified GIAHS

Select the correct answer using the code given below.

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

2. Consider the following pairs:

Terms sometimes Their origin seen in the news

1. Annex—I Countries : Cartagena Protocol
2. Certified Emissions Reductions: Nagoya Protocol
3. Clean Development Mechanism: Kyoto Protocol

Which of the pairs given above is/are correctly matched?

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

3. Which of the following best describes/ describe the aim of 'Green India Mission' of the Government of India?

1. Incorporating environmental benefits and costs into the Union and State Budgets thereby implementing the 'green accounting'
2. Launching the second green revolution to enhance agricultural output so as to ensure food security to one and all in the future
3. Restoring and enhancing forest cover and responding to climate change by a combination of adaptation and mitigation measures

Select the correct answer using the code given below.

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

4. Recently, our scientists have discovered a new and distinct species of banana plant which attains a height of about 11 metres and has orange-coloured fruit pulp. In which part of India has it been discovered?

- (a) Andaman Islands
(b) Anaimalai Forests
(c) Maikala Hills
(d) Tropical rain forests of northeast

5. What is/are unique about 'Kharai Camel', a breed found in India?

1. It is capable of swimming up to three kilometres in seawater.
2. It survives by grazing on mangroves.
3. It lives in the wild and cannot be domesticated.

Select the correct answer using the code given below.

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

6. With reference to an initiative called 'The Economics of Ecosystems and Biodiversity (TEEB)', which of the following statements is/are correct?

1. It is an initiative hosted by UNEP, IMF and World Economic Forum.
2. It is a global initiative that focuses on drawing attention to the economic benefits of biodiversity.
3. It presents an approach that can help decision-makers recognize, demonstrate and capture the value of ecosystems and biodiversity.

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



7. With reference to 'Red Sanders', sometimes seen in the news, consider the following statements:

1. It is a tree species found in a part of South India.
2. It is one of the most important trees in the tropical rain forest areas of South 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

8. Which of the following statements is/are correct?

Proper design and effective implementation of UN-REDD+ Programme can significantly contribute to

1. protection of biodiversity
2. resilience of forest ecosystems
3. poverty reduction

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

9. What is 'Greenhouse Gas Protocol'?

- (a) It is an international accounting tool for government and business leaders to understand, quantify and manage greenhouse gas emissions
- (b) It is an initiative of the United Nations to offer financial incentives to developing countries to reduce greenhouse gas emissions and to adopt eco-friendly technologies
- (c) It is an inter-governmental agreement ratified by all the member countries of the United Nations to reduce greenhouse gas emissions to specified levels by the year 2022
- (d) It is one of the multilateral REDD+ initiatives hosted by the World Bank

10. With reference to 'Agenda 21', sometimes seen in the news, consider the following statements:

1. It is a global action plan for sustainable development
2. It originated in the World Summit on Sustainable Development held in Johannesburg in 2002.

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

11. Which of the following statements is/are correct?

Viruses can infect

1. bacteria
2. fungi
3. plants

Select the correct answer using the code given below.

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

12. 'Gadgil Committee Report' and 'Kasturirangan Committee Report', sometimes seen in the news, are related to

- (a) constitutional reforms
- (b) Ganga Action Plan
- (c) linking of rivers
- (d) protection of Western Ghats

13. On which of the following can you find the Bureau of Energy Efficiency Star Label?

1. Ceiling fans
2. Electric geysers
3. Tubular fluorescent lamps

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

14. Consider the following statements:

1. The International Solar Alliance was launched at the United Nations Climate Change Conference in 2015.
2. The Alliance includes all the member countries of the United Nations.

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

15. In the cities of our country, which among the following atmospheric gases are normally considered in calculating the value of Air Quality Index?

1. Carbon dioxide
2. Carbon monoxide
3. Nitrogen dioxide
4. Sulfur dioxide
5. Methane

Select the correct answer using the code given below.

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



16. With reference to the Agreement at the UNFCCC Meeting in Paris in 2015, which of the following statements is/are correct?

1. The Agreement was signed by all the member countries of the UN and it will go into effect in 2017.
2. The Agreement aims to limit the greenhouse gas emissions so that the rise in average global temperature by the end of this century does not exceed 2 °C or even 1.5 °C above pre-industrial levels.
3. Developed countries acknowledged their historical responsibility in global warming and committed to donate \$ 1000 billion a year from 2020 to help developing countries to cope with climate change.

Select the correct answer using the code given below.

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

17. Consider the following statements:

1. The Sustainable Development Goals were first proposed in 1972 by a global think tank called the 'Club of Rome'.
2. The Sustainable Development Goals have to be achieved by 2030.

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

18. The term 'Intended Nationally Determined Contributions' is sometimes seen in the news in the context of

- (a) pledges made by the European countries to rehabilitate refugees from the war-affected Middle East
- (b) plan of action outlined by the countries of the world to combat climate change
- (c) capital contributed by the member countries in the establishment of Asian Infrastructure Investment Bank
- (d) plan of action outlined by the countries of the world regarding Sustainable Development Goals

19. What is/are the importance/importances of the 'United Nations Convention to Combat Desertification'?

1. It aims to promote effective action through innovative national programmes and supportive international partnerships.
2. It has a special/particular focus on South Asia and North Africa regions, and its Secretariat facilitates the allocation of major portion of financial resources to these regions.
3. It is committed to bottom-up approach, encouraging the participation of local people in combating the desertification.

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

20. In which of the following regions of India are you most likely to come across the 'Great Indian Horn-bill' in its natural habitat?

- (a) Sand deserts of northwest India
- (b) Higher Himalayas of Jammu and Kashmir
- (c) Salt marshes of western Gujarat
- (d) Western Ghats

21. Which of the following are the key features of 'National Ganga River Basin Authority (NGRBA)'?

1. River basin is the unit of planning and management.
2. It spearheads the river conservation efforts at the national level.
3. One of the Chief Ministers of the States through which the Ganga flows becomes the Chairman of NGRBA on rotation basis.

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

2016 - Answers

1(b)	2(c)	3(c)	4(a)	5(a)	6(c)	7(a)	8(d)	9(a)	10(a)	11(d)
	12(d)	13(d)	14(a)	15(b)	16(b)	17(b)	18(b)	19(c)	20(d)	21(a)





2017 QUESTION PAPER

1. From the ecological point of view, which one of the following assumes importance in being a good link between the Eastern Ghats and the Western Ghats?
 - (a) Sathyamangalam Tiger Reserve
 - (b) Nallamala Forest
 - (c) Nagarhole National Park
 - (d) Seshachalam Biosphere Reserve
2. Consider the following statements in respect of Trade Related Analysis of Fauna and Flora in Commerce (TRAFFIC) :
 1. TRAFFIC is a bureau under United Nations Environment Programme (UNEP).
 2. The mission of TRAFFIC is to ensure that trade in wild plants and animals is not a threat to the conservation of nature.
 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. Due to some reasons, if there is a huge fall in the population of species of butterflies, what could be its likely consequence/consequences ?
 1. Pollination of some plants could be adversely affected.
 2. There could be a drastic increase in the fungal infections of some cultivated plants.
 3. it could lead to a fall in the population of some species of wasps, spiders and birds.
 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
4. In the context of mitigating the impending global warming due to anthropogenic emissions of carbon dioxide, which of the following can be the potential sites for carbon sequestration ?
 1. Abandoned and uneconomic coal seams
 2. Depleted oil and gas reservoirs
 3. Subterranean deep saline formations
 Select the correct answer using the code given below:
 - (a) 1 and 2 only
 - (b) 3 only
 - (c) 1 and 3 only
 - (d) 1, 2 and 3
5. According to the Wildlife (Protection) Act, 1972, which of the following animals cannot be hunted by any person except under some provisions provided by law?
 1. Gharial
 2. Indian wild ass
 3. Wild buffalo
 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
6. With reference to 'Global Climate Change Alliance', which of the following statements is/are correct?
 1. It is an initiative of the European Union.
 2. It provides technical and financial support to targeted developing countries to integrate climate change into their development policies and budgets.
 3. It is coordinated by World Resources Institute (WRI) and World Business Council for sustainable Development (WBCSD).
 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
7. Biological Oxygen Demand (BOD) is a standard criterion for
 - (a) Measuring oxygen levels in blood
 - (b) Computing oxygen levels in forest ecosystems
 - (c) Pollution assay in aquatic ecosystems
 - (d) Assessing oxygen levels in high altitude regions
8. Consider the following statements :
 1. Climate and Clean Air Coalition (CCAC) to Reduce Short Lived Climate Pollutants is a unique initiative of G20 group of countries.
 2. The CCAC focuses on methane, black carbon and hydrofluorocarbons.
 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



9. If you want to see gharials in their natural habitat, which one of the following is the best place to visit?
 (a) Bhitarkanika Mangroves
 (b) Chambal River
 (c) Pulicat Lake (d) Deepor Beel
10. In India, if a species of tortoise is declared protected under Schedule I of the Wildlife (Protection) Act, 1972, what does it imply ?
 (a) It enjoys the same level of protection as the tiger.
 (b) It no longer exists in the wild, a few individuals are under captive protection; and now it is impossible to prevent its extinction.
 (c) It is endemic to a particular region of India.
 (d) Both (b) and (c) stated above are correct in this context.
11. Recently there was a proposal to "translocate some of the lions from their natural habitat in Gujarat to which one of the following sites ?
 (a) Corbett National Park
 (b) Kuno Palpur Wildlife Sanctuary
 (c) Mudumalai Wildlife Sanctuary
 (d) Sariska National Park

2017 - Answers

1(a)	2(b)	3(c)	4(d)	5(d)	6(a)	7(c)	8(b)	9(b)	10(a)	11(b)
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2018 QUESTION PAPER

1. How is the National Green Tribunal (NGT) different from the Central Pollution Control Board (CPCB) ?

1. The NGT has been established by an Act whereas the CPCB has been created by an executive order of the Government.
2. The NGT provides environmental justice and helps reduce the burden of litigation in the higher courts whereas the CPCB promotes cleanliness of streams and wells, and aims to improve the quality of air in the country.

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

2. With reference to the 'Global Alliance for Climate-Smart Agriculture (GACSA)', which of the following statements is/are correct ?

1. GACSA is an outcome of the Climate Summit held in Paris in 2015.
2. Membership of GACSA does not create any binding obligations.
3. India was instrumental in the creation of GACSA.

Select the correct answer using the code given below:

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

3. Which of the following statements best describes "carbon fertilization" ?

- (a) Increased plant growth due to increased concentration of carbon dioxide in the atmosphere
- (b) Increased temperature of Earth due to increased concentration of carbon dioxide in the atmosphere
- (c) Increased acidity of oceans as a result of increased concentration of carbon dioxide in the atmosphere
- (d) Adaptation of all living beings on Earth to the climate change brought about by the increased concentration of carbon dioxide in the atmosphere

4. Which of the following is/are the possible consequence/s of heavy sand mining in riverbeds?

1. Decreased salinity in the river
2. Pollution of groundwater
3. Lowering of the water-table

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

5. With reference to agricultural soils, consider the following statements

1. A high content of organic matter in soil drastically reduces its water holding capacity.
2. Soil does not play any role in the sulphur cycle.
3. Irrigation over a period of time can contribute to the salinization of some agricultural lands.

Which of the statements given above is/are correct?

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

6. The Partnership for Action on Green Economy (PAGE), a UN mechanism to assist countries transition towards greener and more inclusive economies, emerged at

- (a) The Earth Summit on Sustainable Development 2002, Johannesburg
- (b) The United Nations Conference on Sustainable Development 2012, Rio de Janeiro
- (c) The United Nations Framework Convention on Climate Change 2015, Paris
- (d) The World Sustainable Development Summit 2016, New Delhi

7. Consider the following statements:

1. Most of the world's coral reefs are in tropical waters.
2. More than one-third of the world's coral reefs are located in the territories of Australia, Indonesia and Philippines.
3. Coral reefs host far more number of animal phyla than those hosted by tropical rainforests.

Which of the statements given above is/are correct?

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



8. "Momentum for Change: Climate Neutral Now" is an initiative launched by

- (a) The Intergovernmental Panel on Climate Change
- (b) The UNEP Secretariat
- (c) The UNFCCC Secretariat
- (d) The World Meteorological Organization

9. In which one of the following States is Pakhui Wildlife Sanctuary located?

- (a) Arunachal Pradesh
- (b) Manipur
- (c) Meghalaya
- (d) Nagaland

10. Consider the following statements:

1. The definition of "Critical Wildlife Habitat" is incorporated in the Forest Rights Act, 2006.
2. For the first time in India, Baigas have been given Habitat Rights.
3. Union Ministry of Environment, Forest and Climate Change officially decides and declares Habitat Rights for Primitive and Vulnerable Tribal Groups in any part of India.

Which of the statements given above is/are correct?

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

2018 - Answers

1(b)	2(b)	3(a)	4(b)	5(b)	6(b)	7(d)	8(c)	9(a)	10(a)
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