

1-How does National Biodiversity Authority (NBA) help in protecting the Indian agriculture?

1. NBA checks the bio-piracy 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**

2- 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 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).
3. Powers and functions of Gram Sabha as mentioned under Article 243 (A).

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

3- 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

4- Which of the following are the roles played by mangroves?

1. Mangroves protects coastal lands from tsunami, hurricanes and floods.

2. Mangroves help in moderating monsoonal tidal floods and reduce inundation of coastal lowlands.
3. Mangrove do not support much flora, avifauna and wild life.

Select the correct option from the codes given below:

**[a] Only 1 & 2**

[b] Only 2 & 3

[c] Only 1 & 3

[d] 1, 2 & 3

5- Consider the following National Parks with states where they are located:

1-Rani Jhansi Marine National Park – Madhya Pradesh

2-Balpakram National Park – Karnataka

3-Valley of Flowers National Park – Kerala

Which of the above is/are correct?

[A] 1 Only

[B] 1 & 3 Only

[C] 1, 2 & 3

**[D] None is True**

6- 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.

7- With reference to an organization known as 'Birdlife International', which of the following statements is/ are correct?

1.It is a Global Partnership of Conservation Organizations.

2.The concept of 'biodiversity hotspots' originated from this organization.

3.It identifies the sites known/referred to as 'Important Bird and Biodiversity Areas'.

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-If National Water Mission is properly and completely implemented, how will it impact the country?

1. Part of the water needs of urban areas will be met through recycling of wastewater.
2. The water requirements of coastal cities with inadequate alternative sources of water will be met by adopting appropriate technologies that allow for the use of ocean water.
3. All the rivers of Himalayan origin will be linked to the rivers of peninsular India.
4. The expenses incurred by farmers for digging bore- wells and for installing motors and pump sets to draw groundwater will be completely reimbursed by the Government.

Select the correct answer using the codes given below :

(a) 1 only

**(b) 1 and 2 only**

(c) 3 and 4 only

(d) 1, 2, 3 and 4

9- 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?

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

10- 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

11- Which of the following are correct about 'Biosimilar'?

- 1.They are chemically derived drugs which used to treat human beings.
- 2.They can be manufactured by any company even when a patent exists for the innovator drug.

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**

12- Consider the following statements about FASTag:

- 1. It employs Radio Frequency Identification technology to make toll payments.
- 2. It promotes cashless payments.
- 3. It will help in tracking movement of vehicles

Which of the statements given above is/are correct?

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

13- Consider the following statements:

- 1. LIGO observatory set up in India will be the 4th such observatory across the world.
- 2. It is being set up in Tamil Nadu

- 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

14- Which of the following given statements is/are not true about India's supercomputer Param Siddhi?

1-It is ranked 3rd among top 500 most powerful non-distributed computer systems in the world.

2-It has been developed under the National Supercomputing Mission.

Which of the given statements is/are correct?

(a) 1 only

**(b) 2 only**

(c) Both 1 and 2

(d) Neither 1 nor 2

15- Consider the following statements with respect to Aflatoxins:

1. It is produced by bacteria.

2. It grows in cold and dry conditions. 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**

16- Consider the following statements about 5G technology

1.Its has fast data transmission because of high latency.

2.It can transfer data at speed of 50 gigabit/second.

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**

17- Which of the following have application of Block chain technology?

1. Crypto currency

2. Tracing origin of food

3. Fact checking of inline information Select the correct answer using the code given below:

(a) 1 only

(b) 1 and 2 only

(c) 2 and 3 only

(d) 1, 2 and 3

18- The communication satellite of ISRO, GSAT-30 is scheduled to launch aboard which vehicle?

[a] PSLV C 44

[b] PSLV C 46

[c] PSLV C 47

**[d] Ariane 5**

19- The Scientists of which institution have developed a chemical-free hand sanitiser in India?

**[a] Council of Scientific & Industrial Research**

[b] Tata Institute of Fundamental Research

[c] National Institute of Biomedical Genomics

[d] Agharkar Research Institute

20- NASA has recently tested the Launch abort system for its Orion capsule. It is related to which of the following?

(a) Search of Exoplanets

(b) Mars Mission of NASA

(c) Jupiter Mission of NASA

**(d) Moon Mission of NASA**

21. Consider the following statements.

1. During the election period, the Election Commission of India (ECI) can order the government to observe election related guidelines.

2. When on election duty, government officers work under the control of the ECI and not the government.

Which of the above statements is/are incorrect?

a) 1 only

b) 2 only

c) Both 1 and 2

**d) Neither 1 nor 2**

22. Consider the following statements.

1. The Rajya Sabha indirectly represents the States whose legislators elect it.

2. Rajya Sabha acts as a federal chamber to politically resolve most of India's federal conflicts.

Which of the above statements is/are correct?

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

23. Consider the following statements regarding Ganges River Dolphins (GRDs).

Ganges River Dolphins are listed under Schedule I of the Indian Wildlife (Protection) Act (1972) and Appendix I of the Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES).

They are found throughout the Ganges-Brahmaputra-Meghna and Karnaphuli-Sangu river systems of Nepal, India and Bangladesh.

Presence of Ganges River Dolphin is an indicator of healthy aquatic systems.

Which of the above statements is/are correct?

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

24. Consider the following statements:

1. The Central Pollution Control Board (CPCB) is constituted under the Environment (Protection) Act, 1986.

2. The CPCB provides technical services to the Ministry of Environment, Forest and Climate Change.

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

25. Consider the following statements:

1. Tribunals in the Indian Constitution were incorporated by 42nd Amendment Act, 1976.

2. Administrative Tribunals owe their origin to Article 323-A of the Indian Constitution.

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

**ANSWER SHEET**

1	<b>D</b>	10	<b>A</b>	19	<b>A</b>
2	<b>A</b>	11	<b>D</b>	20	<b>D</b>
3	<b>B</b>	12	<b>D</b>	21	<b>D</b>
4	<b>A</b>	13	<b>A</b>	22	<b>A</b>
5	<b>D</b>	14	<b>B</b>	23	<b>D</b>
6	<b>A</b>	15	<b>D</b>	24	<b>B</b>
7	<b>D</b>	16	<b>D</b>	25	<b>C</b>
8	<b>B</b>	17	<b>D</b>		
9	<b>C</b>	18	<b>D</b>		