

1-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

2-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

3- 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

4- 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

5- Consider the following protected areas:

1. Bandipur

2. Bhitarkanika

3. Manas

4. Sunderbans

Which of the above are declared 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

6- 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

7- 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

8- If one part of Eco-System is damaged, what happens?

- a) It doesn't have any impact on the Eco-system
- b) It completely destroys the eco-system
- c) It has an impact on everything else in the eco-system**
- d) All of these

9- Which among the following correctly defines Global 200?

- [a] An annual list of top ranking 200 companies released by Forbes Magazine
- [b] List of 200 World Heritage Sites released by UNESCO
- [c] List of 200 Cities which are of strategic importance
- [d] List of 200 Ecoregions identified by the World Wildlife Fund (WWF) as priorities for conservation**

10- 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

11- Which of the following statements about Polio is/are correct?

- 1. India was declared polio free in 2009.

2. India has celebrated 25 years of pulse polio immunization program.

3. Nigeria is the only country in Africa which is not polio free.

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

12- Consider the following statements regarding Telescope

1. Optical telescopes function during day time only

2. X Ray Telescopes function during both day and night.

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

13- What is the purpose of 'LIGO' project?

(a) To detect neutrinos

(b) To detect gravitational waves

(c) To detect the effectiveness of missile defence system

(d) To study the effect of solar flares on our communication systems

14- Consider the following statements about CARTOSAT series:

1. CARTOSAT–1 is the first Indian Remote Sensing Satellite capable of providing in-orbit stereo images.

2. PSLV has launched Cartosat-3 and 13 commercial nanosatellites into Sun Synchronous orbit from Satish Dhawan Space Centre.

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- 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

16- Consider the following statements about the Gaganyaan?

1. It is India's manned space mission.
2. A PSLV will be used to carry the crew into space.

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- 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

18- In order to build simulated lunar terrain, Anorthosite rock were used. Consider the following statements about them

1. It is a type of metamorphic rock
2. It is found in the Salem region of Tamil Nadu
3. It was formed in Precambrian times. Which of the statements given above is/are correct?

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

19- 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

20- 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

21- Consider the following statements:

1. Oman shares its land borders with UAE, Yemen and Saudi Arabia only.
2. Al Najah is the Army Exercise between India and Oman.

Which of the statements given above is/are not correct?

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

22. Consider the following statements about Thiruvalluvar:

1. The classic Tamil language text Thirukkural was written by Thiruvalluvar.
2. Valluvar kottam temple in Chennai is built in the memory of Thiruvalluvar.

Which of the statements given above is/are not correct?

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

23. Consider the following statements:

1. The Nagi-Nakti Bird Sanctuaries is located in Bihar.
2. The Kalrav bird festival was recently held at the NagiNakti bird sanctuaries.

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

24. Consider the following statements:

1. The Pradhan Mantri JI-VAN Yojana aims to boost research and development in the 2G Ethanol.
2. In India, the current permissible level of blending is 20% of ethanol with gasoline.

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. Which of the following reports are published by the United Nations Environment Programme (UNEP)?

1. Emission Gap Report
2. Global Environment Outlook
3. Invest into Healthy Planet

Select the correct answer using the code given below:

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