

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- 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

3- 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

4- 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

5- 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

6-- 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

7- 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

8- 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 kilometres 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'

9- 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

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

(a) Crab

(b) Mite

(c) Scorpion

(d) Spider

11- Consider the following statement:

1. 51 Pegasi was the first exoplanet discovered orbiting a sun like star.

2. Dark matter affects the shape of the galaxy and galaxy structures.

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

12- Consider the following statements about 5G technology

1. It 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

13- Consider the following statements.

1. Phages are viruses that kill bacteria.

2. Molecular scissors of bacteria are ineffective against foreign DNA that might host an antibiotic resistance gene.

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 is true with respect to SARS-COV2?

1. It is a DNA virus

2. It has more than one way to enter the host cell

Select the correct code using the codes given below:

(a) 1 only

(b) 2 only

(c) Both 1 and 2

(d) Neither 1 nor 2

15- Consider the following statements:

1. Genetic code of living beings is stored in DNS

2. Conversion of DNA code into proteins requires mRNA

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- Which of the following sectors is not included in the NITI Aayog's focus regarding "National AI Strategy":

1- Agriculture

2-MSME

3-Education

4-Infrastructure

5-Oil and Natural Gas

Select the correct code:

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

17- With reference to 'LCA TEJAS', consider the following statements:

- 1.It is completely indigenous aircraft.
- 2.It has a maximum speed of 3 Mach.

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. With reference to 'ELISA', consider the following statements:

- 1.It can be used to detect both antibody and antigen in a sample.
- 2.It has applications in food industry also.

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

19. Consider the following statements with respect to 'Abel Prize':

- 1.It is conferred recognising the achievements in the field of mathematics
- 2.It is awarded by International Mathematical Union

Which of the above given statements is/are correct?

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

20- Consider the following statements with respect to Calcium Carbide used in artificial ripening of fruits.

- 1. It decomposes micronutrients present in the fruits.
- 2. It is banned under Food Adulteration Act, 1954.

Which of the above statements is/are correct?

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

21. Consider the following statements regarding "Apple Festival" in Jammu and Kashmir.

- 1. Union Agriculture Minister, Narendra Singh Tomar and Lt Governor, Manoj Sinha has virtually inaugurated Apple Festival.
- 2. Apple Festival, organized for the Third time in Srinagar, Jammu and Kashmir.

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

22. Consider the following statements regarding world's most valuable company

- 1. Microsoft Corp. has surpassed Apple Inc. to become the world's most valuable publicly-traded company by market capitalisation.
- 2. Apple stood at about \$2.46 trillion while Microsoft reached nearly \$2.49 trillion.

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

23. Consider the following statements regarding 'Smithsonian's National Museum of Asian Art.'

1. Isha Ambani appointed to Smithsonian's board of trustees
2. Sachin Tendulkar also one of the trustees of this board.

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

24. Consider the following statements regarding NPCI to launch Rupay Credit Cards 'Veer'.

1. Kotak Mahindra Bank (KMB) has partnered with the National Payments Corporation of India (NPCI) to launch Kotak credit cards on the RuPay network.
2. The credit card is available in two variants as Kotak RuPay Veer Platinum and Kotak RuPay Veer Select.

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

25. Consider the following statements regarding IRCTC & Truecaller.

1. IRCTC & Truecaller partnered to reduce fraud in the railways
2. IRCTC Founded: 27th September 1989 and IRCTC Headquarters is in New Delhi

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

ANSWER SHEET

1	D	10	A	19	C
2	A	11	C	20	A
3	B	12	D	21	C
4	C	13	B	22	A
5	A	14	C	23	C
6	C	15	D	24	C
7	B	16	D	25	A

8	A	17	C
9	C	18	A