

1- 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

2- 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) 1, 2, 3, 4 and 5

3- 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 codes given below.

(a)1 only

(b)2 and 3 only

(c)1 and 3 only

(d)1, 2 and 3

4-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

5- 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

6- 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

7- 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

8- 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

9- 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

10- 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

11- Which of the following African country's first ever satellite was launched by China?

- (a) Nigeria
- (b) Djibouti
- (c) Sudan**
- (d) South Sudan

12- Consider the following statements:

- 1. Biochar reduces soil fertility and carbon sequestration.
- 2. Bio-oil is produced through fast pyrolysis whereby temperature is increased at a very high rate per second.
- 3. Treatment of sludge is an industrial application of pyrolysis.
- 4. In pyrolysis, higher alkanes get converted into lower alkanes and alkenes.

Which of the statement given above is/are correct?

(a) 2, 3 and 4 only

(b) 1, 3 and 4 only

(c) 1, 2 and 3 only

(d) 1, 2, 3 and 4

13- Which among the following is/are the benefits of Genome Sequencing of different snake species?

1. It would help us in identification of genes responsible for the production of venoms in the snakes.

2. It would help us in the development of broad-based venoms which can counter snake bites of different snake species.

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- Consider the following pairs:

	Organic Pollutant	Source
1.	DDT	Pesticides
2.	PCB (polychlorinated biphenyl)	Industrial Solvents
3.	Dioxins	Plastics

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

(a) 1 only

(b) 1 and 2 only

(c) 2 and 3 only

(d) 1, 2 and 3

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

1. Inactivated polio vaccine leads to herd immunity

2. India uses Trivalent OPV in its immunisation programme.

Select the correct answer using the code given below:

(a) 1 only

(b) 2 only

(c) Both 1 and 2

(d) Neither 1 and 2

16- Which among the following statements related to Hepatitis is not correct?

(a) Presently, there is no vaccine available for Hepatitis C

(b) The infection of Hepatitis B can lead to infection of Hepatitis D.

(c) Hepatitis A and B are both caused due to the sexual transmission only

(d) Hepatitis C can be transmitted through infected blood.

17- Consider the following statements related to Hepatitis B:

1. It is transmitted when a normal person comes into contact with blood, semen or bodily fluids of an infected person.

2. It cannot be transmitted from the mother to the child.

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- Which of the following are correct about the RFID technology?

1. It is a contactless communication technology which uses Microwaves

2. It requires RFID tag to be in the line of sight of the scanner.

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:

1. Photocatalytic paints use titanium oxide as catalyst to remove pollutants from air.

2. Anti-smog guns use nebulised water droplets to settle dust.

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

20- Which of the following animals is the most common transmitter of the Kyasanur Forest Disease to humans?

(a) Monkey

(b) Bats

(c) Birds

(d) Cattle

21. Consider the following statements regarding Nutrient-Based Subsidy (NBS) Regime:

1. Fertilizers are provided to the farmers at the subsidized rates based on the nutrients contained in it.

2. It is being implemented by the Ministry of Agriculture & Farmers Welfare.

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

22. Consider the following statements regarding Competition Commission of India (CCI):

1. It was established under the Companies Act, 2013.

2. All the members of CCI including the Chairperson are appointed by the Central Government.

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

23. Consider the following statements regarding the Havana Syndrome:

1. The symptoms of the illness were first observed in 2016 among the US diplomats in Cuba.

2. Directed Microwave Radiation has been detected as a plausible cause for Havana Syndrome.

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. The "India Energy Outlook 2021 Report" is released by which of the following?

(a) Ministry of New and Renewable Energy

(b) NITI Aayog

(c) International Energy Agency

(d) Ministry of Power

25. Which among the following committees is related to 'Personal Data Protection'?

(a) C. Rangarajan Committee

(b) Bimal Jalan Committee

(c) Bhurelal Committee

(d) B.N. Srikrishna Committee