

1. Consider the following statements regarding Sea Buckthorn.

1. It is found above the tree line in the Himalayan region.
2. It is largely used to produce bio-diesel
3. It prevents soil erosion in the region which it grows.

Which of the above statements is/are correct?

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

2. Which of the following pairs of soil type and its characteristic are correctly matched?

1. Oxisols : These soils are very old and highly weathered
2. Entisols : Weakly developed soils with no horizons
3. Inceptisols : These soils have very high quantity of organic matter in the upper layers
4. Histosols : Soils having weakly or quickly developed horizons

Select the correct answer code:

- a) 1, 2, 3
- b) 1, 2
- c) 1, 2, 4
- d) 1, 2, 3, 4

3. Asola Bhatti Wildlife Sanctuary, sometimes seen in news, is located in

- a) Arunachal Pradesh
- b) Assam
- c) Delhi
- d) Punjab

4. Consider the following statements regarding African Elephant.

1. It is the largest animal walking the Earth.
2. Upper incisor teeth develop into tusks in African elephants and grow throughout their lifetime.

3. Between the two subspecies of African elephants, Forest elephants are larger than Savanna elephants, and their tusks curve outwards.

Which of the above statements is/are correct?

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

5. Consider the following statements regarding Adaptation Fund (AF).

1. It is an international fund that finances projects and programs aimed at helping developing countries to adapt to the harmful effects of climate change.
2. It has been established under the Paris Agreement.
3. The Adaptation Fund is financed with a share of proceeds from the clean development mechanism (CDM) project activities.

Which of the above statements is/are correct?

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

6. Consider the following statements regarding Photochemical smog.

1. Photochemical smog is a term used to describe air pollution that is a result of the interaction of sunlight with certain chemicals in the atmosphere.
2. One of the primary components of photochemical smog is stratospheric ozone.

Which of the above statements is/are correct?

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

7. Consider the following statements regarding biomass production.

1. Gross primary productivity of an ecosystem is the rate of production of organic matter during photosynthesis.

2. Net primary productivity is the available biomass for the consumption to heterotrophs.

3. Secondary productivity is gross primary productivity minus respiratory losses.

Which of the above statements is/are correct?

a) 1 only

b) 1, 2

c) 1, 3

d) 1, 2, 3

8. Consider the following statements regarding Wildlife Crime Control Bureau.

1. It is a statutory multi-disciplinary body established under Prevention of Cruelty to Animals Act, 1960.

2. It is mandated to establish a centralized wildlife crime data bank.

3. It is also mandated to collect and collate intelligence related to organized wildlife crime activities.

Which of the above statements is/are correct?

a) 1, 2

b) 2 only

c) 2, 3

d) 1, 2, 3

9. Consider the following statements regarding population interactions.

1. In competition, only one species benefits and the other is harmed.

2. The interaction where one species is benefitted and the other is neither benefitted nor harmed is called commensalism.

3. Example of commensalism is the interaction between sea anemone that has stinging tentacles and the clown fish.

Which of the above statements is/are correct?

a) 1, 2

b) 2, 3

c) 1, 3

d) 1, 2, 3

10. Consider the following statements regarding Cheetah.

1. Cheetah is the world's fastest land mammal.
2. The Asiatic cheetah is classified as critically endangered by the IUCN Red List.
3. Cheetah was declared extinct in India.

Which of the above statements is/are correct?

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

11. Consider the following statements regarding Extra Neutral Alcohol.

1. Extra Neutral Alcohol is formed from molasses that are a residue of sugarcane processing.
2. It is the primary raw material for making alcoholic beverages.
3. It is also used in the manufacturing of cosmetics and personal care products.

Which of the above statements is/are correct?

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

12. Consider the following statements regarding Melamine.

1. Melamine is an organic base chemical rich in nitrogen.
2. It is usually added to increase the taste of the food.
3. It can cause bladder stones in animals.

Which of the above statements is/are correct?

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

c) 2, 3

13. Consider the following statements regarding Doppler radars.

1. Doppler radars are crucial for gauging the intensity of rainfall and the impact area in real-time.
2. It can carry out weather surveillance only upto 5000 Kms radius from its location.
3. Doppler radars forecast weather by using the mechanism of radio waves.

Which of the above statements is/are correct?

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

14. Consider the following statements regarding Ultraviolet Radiation.

1. Ultraviolet (UV) radiation is naturally emitted by the Sun.
2. The wavelength range of Ultraviolet Radiation is higher than that of visible light.

Which of the above statements is/are correct?

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

15. A planetary-mass object is recognised as Dwarf planets if it satisfies which of the following conditions?

1. It must be in direct orbit of the sun.
2. It must have cleared the neighborhood around its orbit.
3. It must be massive enough for it to have become spherical in shape under its own gravity.

Select the correct answer code:

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

16. Consider the following statements regarding Dry ice.

1. Dry ice is the solid form of carbon dioxide.
2. It is used to prevent insect activity in closed containers of grains and grain products.
3. It has higher temperature than that of water ice.

Which of the above statements is/are correct?

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

17. Consider the following statements regarding Monoclonal antibodies.

1. They are artificially created antibodies.
2. Monoclonal antibodies are used for people whose immune systems are unable to make sufficient amounts of antibodies.
3. They are used in treating Ebola, HIV and psoriasis.

Which of the above statements is/are correct?

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

18. Consider the following statements.

1. A space station is essentially a large spacecraft that remains in low-earth orbit for extended periods of time.
2. International Space Station is a collaborative effort between five space agencies from United States, Russia, Japan, Europe and China.

Which of the above statements is/are correct?

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

19. Consider the following statements regarding Kamran Line.

1. Karman line is the internationally recognized boundary of space which lies around 100 kilometres above mean sea level.

2. International Space Station orbits in the Kamran line.

Which of the above statements is/are incorrect?

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

20. AstroSat, a multi-institute collaborative project is

- a) Scientific expedition to study Sun
- b) Spacecraft to study asteroid Bennu
- c) Multi-wavelength space telescope
- d) A satellite to detect movements of Earth's surface

21. Recently Supreme Court has asked the Government to give its view on Sedition Law. Consider the following statements regarding Sedition Law:

- 1. The law was originally drafted by Thomas Macaulay.
- 2. It was removed when the Indian Penal Code was enacted.
- 3. It was inserted in 1870 through Section 124A.

Choose the correct code:

- (a) 1 and 2 only
- (b) 2 and 3 only
- (c) 1 and 3 only
- (d) All of the above

22. Recently, the Center is shifting its stand on who can grant minority status to communities. Currently who can grant the minority status to communities?

- (a) Center
- (b) State
- (c) Both A and B

(d) National Commission on Minorities

23. Doyen of santoor Shivkumar Sharma passes away recently. He belongs to which state/UT?

(a) Uttarakhand

(b) Jammu and Kashmir

(c) Uttar Pradesh

(d) Madhya Pradesh

24. Consider the following statements:

1. National Technology Day is celebrated on 11th May

2. This year's theme is, "Integrated Approach in Science and Technology for Sustainable Future."

Choose the correct statement(s):

(a) 1 only

(b) 2 only

(c) Both 1 and 2

(d) None of the above

25. Recently, Sudhanshu Dhulia and Jamshed Pardiwala take oath as Supreme Court. Consider following statements regarding appointment judges of SC and HCs:

1. Article 124 deals with appointment of judges of SC.

2. Article 217 deals with appointment of judges of HCs.

Choose the correct code:

(a) 1 only

(b) 2 only

(c) Both 1 and 2

(d) Neither 1 nor 2

### ANSWER SHEET

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



7	B	16	A	25	C
8	C	17	D		
9	B	18	A		