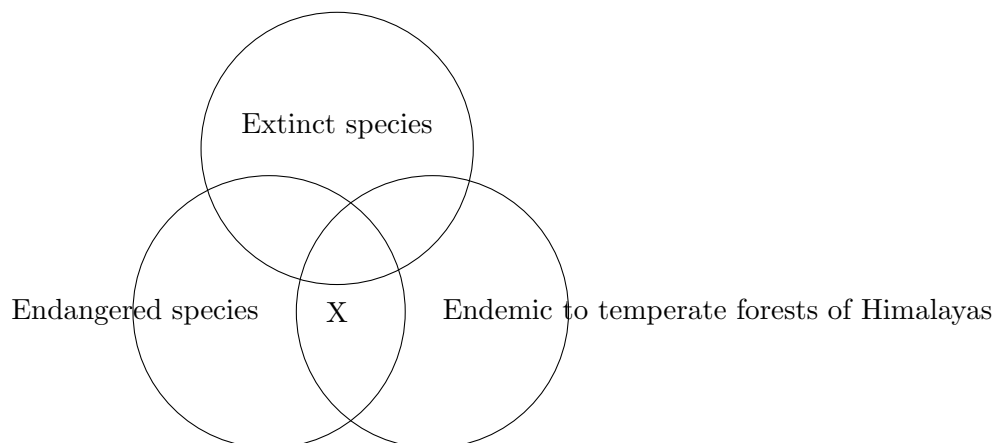


Answer all the questions.

1. Study the Venn diagram.

X is likely to be _____.



- A. Indian gazelle B. Woolly mammoth C. Blackbuck D. Red panda
2. Project tiger was started in 1973. Its aim is to create reserves in selected areas of India to increase the tiger population. Identify which of the following is **NOT** a tiger reserve.
- A. Keoladeo Ghana National Park C. Kanha National Park
B. Dudhwa National Park D. Simlipal National Park
3. Which of the following statements is incorrect?
- A. Excess pumping of groundwater reduces the water table.
B. Major greenhouse gases include CFCs and hydrocarbons only.
C. Ozone layer depletion increases UVB levels, which could lead to damage to human body, including skin cancer.
D. Acid rain caused the weakening of Jefferson Memorial (USA) by removing silicate mineral inclusions from the marble columns of it.
4. The silent Valley National Park in Kerala is home to a large population of which endangered primate?
- A. Lion tailed macaque B. Orangutan C. Gorilla D. Chimpanzee
5. Central Pollution Control Board (CPCB) initiated NAAQM programme later known as NAMP programme to check air quality in India.
What does NAMP stands for?
- A. National Air Quality Monitoring Programme
B. None of these
C. National Air Quality and Quantity Maintaining Programme
D. National Air Quality Maintaining Programme
6. Eight pollutants act as major parameters in deriving the Air Quality Index (AQI) of an area. Which of the following pollutants is not one among them?
- A. PM_{2.5} B. Pb C. O₃ D. Arsenic

7. Ruppell's Vulture is one of the largest vultures in the world and it also holds the record for the highest flying bird in the world. It mainly inhabits in the Sahel region of Africa. What is its current status in the IUCN Red List?

A. Least concern B. Critically endangered C. Extinct D. Vulnerable

8. In order to reduce land pollution from industrial operations, some methods have been developed to reduce the volume of waste. Name the method in which waste is burned in the absence of oxygen. This method also produces stable end products.

A. Shredding B. Electrostatic induction C. Scrubbing D. Pyrolysis

9. Match column I with column II and select the correct option from the codes given below.

Column I

Column II

(i) Sulphur dioxide in air

(a) Damage ozone layer

(ii) CFCs

(b) Leads to food toxicity

(iii) Sewage dumped in river

(c) Prevents photosynthesis

(iv) Dust in air

(d) Produce acid rain

(v) Excess fertiliser in fields

(e) Causes water borne diseases

A. (i)-(c), (ii)-(b), (iii)-(e), (iv)-(d), (v)-(a)

B. (i)-(b), (ii)-(e), (iii)-(a), (iv)-(c), (v)-(d)

C. (i)-(d), (ii)-(a), (iii)-(c), (iv)-(e), (v)-(b)

D. (i)-(d), (ii)-(a), (iii)-(e), (iv)-(c), (v)-(b)

10. Tropical cyclones are characterised by rapidly-rotating storm systems that rotate around a low pressure centre. The cloudless core of the tropical cyclone is known as the _____

A. Eye Wall B. Eye C. Rainband D. Eye Rainbow

DIRECTION: Read the given paragraph and answer the next two questions.

Pachmarhi Biosphere Reserve is situated in Madhya Pradesh. The biodiversity found in it is unique as the plants and animals found in it are similar to those found in upper Himalayan peaks and lower Western Ghats. It contains two wildlife sanctuaries and one national park.

11. Which of the following is **NOT** a part of Pachmarhi Biosphere Reserve?

A. Satpura National Park B. Dachigam National Park C. Bori Wildlife Sanctuary
D. Pachmarhi Wildlife Sanctuary

12. Which of the following animals are endemic to Pachmarhi Biosphere Reserve area?

A. Indian giant squirrel

B. Flying squirrel

C. Bison

D. All of these

13. Riya visited her village after 10 years and found that there is a problem of desertification. What could be the probable reasons for this?

i. Overgrazing

ii. Indiscriminate cutting of trees

iii. Poorly drained irrigation systems

- A. (i) and (iii) only B. (ii) and (iii) only C. (i) and (ii) only D. (i), (ii) and (iii)
14. Area reserved for conservation of both plants and animals where grazing is not allowed is known as X while an area reserved for conservation of wild animals only is known as Y. What can be placed in X and Y?
- A. X –Biosphere Reserve, Y –National Park
B. X –Wildlife Sanctuary, Y –Biosphere Reserve
C. X –National Park, Y –Biosphere Reserve
D. X –National Park, Y –Wildlife Sanctuary
15. Which of the following is a floating National Park situated in India?
- A. Betla National Park B. Manas National Park C. Mollem National Park D. Keibul Lamjao National Park
16. The elimination of this pest under the Four Pests Campaign of China that was initiated in 1958 upset the ecological balance and enabled crop-eating insects to proliferate. Identify the pest.
- A. Beetles B. Locust C. Bees D. Sparrow
17. Which of the following is a constituent of automobile exhaust?
- A. Carbon monoxide
B. Carbon dioxide
C. Nitrogen oxides
D. All of these
18. The common house sparrow population has been declining in many Asian countries especially in India. To promote its conservation which state's Chief Minister had declared it as the state bird?
- A. Delhi B. West Bengal C. Tamil Nadu D. Goa
19. Read the following statements and select the correct ones.
- i. Biodiversity hotspots are those specific regions which have large number of endemic species.
ii. The passenger pigeon is an extinct bird.
iii. The term ecology was coined by Ernst Haeckel in 1866.
iv. Gandhi Peace Prize was awarded to a noted environmentalist Chandi Prasad Bhatt in 2013.
- A. (i) and (ii) only B. (ii) and (iii) only C. (i), (ii), (iii) and (iv) D. (i) and (iv) only
20. The marble panels of Acropolis of Athens have been chemically transformed by acid rain into soft gypsum. What is the main cause of acid rain in this area?
- A. Pollution generated by local industries and oil refineries
B. Pollution emanating from unbridled development in the region
C. Economic expansion and heavy vehicle emissions
D. Pollution generated by local mining and petrochemical industries
21. What are the sources of toxic wastes in marine life?

- A. Metals from mining
 B. Industries
 C. Insecticides and pesticides from farms
 D. All of these
22. Permafrost, a permanently frozen soil, found at high altitudes is melting due to global warming. Which of the following gases are released from its melting?
 A. Ozone and methane B. Nitrogen oxide and hydrogen C. Hydrogen and ozone
 D. Carbon dioxide and methane
23. The given picture of tall and thin blades of hardened snow are believed to be formed by strong winds of Andes mountains. This type of snow formation in high altitudes is known as _____



- A. Ice circles B. Pointing stones C. Penitentes D. Moving stones
24. Match column I with column II and select the correct option from the given codes.

Column I

- (i) Okapi Wildlife Reserve
 (ii) Biosphere Reserve Srilanka
 (iii) Kagu, an endangered bird
 (iv) Top canopy dominated by *Acacia koa*

Column II

- (a) New Caledonia rainforest
 (b) Ituri rainforest
 (c) Hawaiian rainforest
 (d) Sinharaja rainforest

- A. (i)-(b), (ii)-(a), (iii)-(c), (iv)-(d)
 B. (i)-(b), (ii)-(d), (iii)-(a), (iv)-(c)
 C. (i)-(c), (ii)-(b), (iii)-(d), (iv)-(a)
 D. (i)-(a), (ii)-(c), (iii)-(b), (iv)-(d)
25. A rainforest is a huge dense lush forest having four distinct layers. Which of the following layers lies above the canopy layer?
 A. Forest floor B. Canopy is the uppermost layer C. Emergent D. Understorey