

**Chapter Test Question Paper**  
**Class X**  
**Subject: Biology**  
**Topic: Our Environment**

Maximum Marks: 75 Marks

Time Allowed: 1 hours

**The Chapter Test is a self-evaluation test to be given only after completion of the chapter.**

Marking Scheme: +3 for Correct Response, -1 for wrong response

Q1. Components of environment are :

- (A) Biotic
- (B) Abiotic
- (C) Resources and regulatory factor
- (D) All the above

Q2. Which one is nearly absent in ozonosphere ?

- (A) Dust particles
- (B) Water vapours
- (C) CO<sub>2</sub>
- (D) All the above

Q3. How many ozone molecules can be destroyed by one chlorine fragment before other chemical processes remove the chlorine from the atmosphere :-

- (A) 10
- (B) 100
- (C) 1000
- (D) 100,000

Q4. Ozone of ozonosphere is formed from :-

- (A) Nitrogen oxides and Oxygen
- (B) Chlorine, Water and Oxygen
- (C) Oxygen and Oxygen
- (D) All the above

Q5. Pedology is a study of :-

- (A) Locomotion of animals
- (B) Rocks
- (C) Soil
- (D) Crop diseases

Q6. Ecology (= oekologic) was coined by :-

- (A) Linnaeus
- (B) Haeckel
- (C) Harvey
- (D) Odum

Q7. Ecology is study of relationships between :-

- (A) Members of a family
- (B) Man and environment
- (C) Organisms and environment
- (D) Soil and water

Q8. Ecosystem may be defined as :-

- (A) A species along with environment
- (B) Plant found in water
- (C) Plants found on land
- (D) All plants and animal species along with environment

Q9. A food chain is :-

- (A) Group of organisms which eat the same type of food
- (B) Animals eating the plants
- (C) Series of plants/animals which are interrelated in the form of organism being eaten as food by the other
- (D) None of these

Q10. Lion is :-

- (A) Producer
- (B) Primary consumers
- (C) Secondary consumers
- (D) Top carnivore

Q11. A food chain always starts with :-

- (A) Photosynthesis
- (B) Respiration
- (C) Nitrogen fixation
- (D) Decay

Q12. Secondary consumers are :-

- (A) Green plants
- (B) Herbivores
- (C) Carnivores
- (D) All the above

Q13. Producers in any grazing food chain :-

- (A) Feed the herbivores
- (B) Feed the carnivores
- (C) Clean the atmosphere
- (D) Capture solar energy

Q14. Ultimate source of energy for living beings is :-

- (A) Carbohydrates
- (B) Fats
- (C) Sunlight
- (D) ATP

Q15. Food web is constituted by :-

- (A) Various interlinked food chains in a community
- (B) Relationship between animals and plants
- (C) Relationship between animals, plants and microbes
- (D) Relationship between animals, plants and microbes

Q16. In pyramid of food, the producers occupy :-

- (A) The base
- (B) Position near the base
- (C) Apex
- (D) Position near apex

Q17. Energy flow in an ecosystem is :-

- (A) Unidirectional
- (B) Bidirectional
- (C) Multidirectional
- (D) All the above

Q18. Which forests have maximum diversity ?

- (A) Subtropical rain forests (B) Coniferous forests  
(C) Tropical forests (D) Deciduous forests

Q19. Which is correct food chain ?

- (A) Phytoplankton → Fishes → Zooplankton (B) Zooplankton → Phytoplankton → Fishes  
(C) Phytoplankton → Zooplankton → Fishes (D) Fishes → Zooplankton → Phytoplankton

Q20. Who proposed the term ecosystem ?

- (A) Odum (B) Gardner (C) Warming (D) Tansley

Q21. Which one is the correct food chain ?

- (A) Eagle → Snake → Grasshopper → Grass → Frog  
(B) Frog → Snake → Eagle → Grasshopper → Grass  
(C) Grasshopper → Grass → Snake → Frog → Eagle  
(D) Grass → Grasshopper → Frog → Snake → Eagle

Q22. Pick up the correct food chain :-

- (A) Grass → Chameleon → Insect → Bird  
(B) Grass → Fox → Rabbit → Bird  
(C) Phytoplankton → Zooplankton → Fish  
(D) Fallen leaves → Bacteria → Insect → larvae

Q23. Path of energy flow in an ecosystem is :-

- (A) Herbivores → Producers → Carnivores → Decomposers  
(B) Herbivores → Carnivores → Producers → Decomposers  
(C) Producers → Carnivores → Herbivores → Decomposers  
(D) Producers → Herbivores → Carnivores → Decomposers

Q24. Energy enters a food chain through :-

- (A) Producers (B) Decomposers (C) Herbivores (D) Carnivores

Q25. The most stable ecosystem is :-

- (A) Forest (B) Mountain (C) Desert (D) Ocean

### ANSWER KEY

Que.	1	2	3	4	5	6	7	8	9	10
Ans.	D	D	D	C	C	B	C	D	C	D
Que.	11	12	13	14	15	16	17	18	19	20
Ans.	A	C	D	C	A	B	A	C	C	D
Que.	21	22	23	24	25					
Ans.	D	C	D	A	D					