



12. All weather phenomena take place in  
 a) Troposphere  
 b) Ionosphere  
 c) Mesosphere  
 d) Stratosphere
13. \_\_\_\_\_ is the major component of photochemical smog.  
 a) NO<sub>2</sub>  
 b) SO<sub>2</sub>  
 c) O<sub>3</sub>  
 d) CO<sub>2</sub>
14. The height of troposphere from equator is  
 a) 25 km  
 b) 10 km  
 c) 15 km  
 d) 20 km
15. Herbivorous are known as \_\_\_\_\_ consumers.  
 a) Primary  
 b) Secondary  
 c) Tertiary  
 d) All
16. The maximum concentration of Ozone found in  
 a) Troposphere  
 b) Stratosphere  
 c) Thermosphere  
 d) All
17. Chipko Movement was first started in the state  
 a) Gujarat  
 b) Rajasthan  
 c) Karnataka  
 d) Uttarakhand
18. How many agro-climatic zones in India?  
 a) 15  
 b) 17  
 c) 20  
 d) 10
19. The first biosphere reserve in India was  
 a) Nilgiri  
 b) Sundarban  
 c) Nanda devi  
 d) Nokrek
20. The study of physical condition of atmosphere is called as  
 a) Geology  
 b) Meteorology  
 c) Climatology  
 d) None of Above

**Q.2 Do as Directed.**

**A. Define the following. (Any five)**

**(05)**

1. Aquifer
2. Biosphere
3. Endemic species
4. Environmental science
5. Ecosystem
6. Biodiversity
7. Unconfined aquifer

**B. Answer the following. (Any Five)**

**(05)**

1. What are the sources of water pollution?
2. Give the effect of water pollution
3. Hydrosphere
4. Food chain
5. Give the effect of soil pollution
6. Ecological pyramid
7. Give the effect of acid rain.

**Q.3 Write short notes. (Any five)**

**(10)**

1. List the various ecological factors
2. List the climatic or aerial factors.
3. What are the effects of air pollution?
4. Explain the interaction of ecological factors with diagram.
5. How light affect the plants' life. Explain.
6. Give the causes of soil pollution

**Q.4 Attempt any Three/Long Questions/Example**

**(15)**

1. What are the effects of population and human activity on environment? Explain.
2. How ozone protect the earth from harmful effect of UV? Explain.
3. How humans are responsible for climate change? Explain.
4. Define hotspot? Mention hotspots in India? Mention the significance between food chain and food web in an ecosystem.