

27/8/2020
THURSDAY

SOCIAL SCIENCE II

STD - X

class - 17

Assignment

1) Temperature, altitude and humidity are inversely proportional to atmospheric pressure. Justify.

- Ans) *
- * Atmospheric pressure and altitude are inversely proportional. It is due to when altitude increases atmospheric pressure decreases.
 - * Humidity is the quantity of water vapour present in the atmosphere.
 - * Humidity and atmospheric pressure are inversely proportional. It is due to water vapour is lighter than air and when humidity increases atmospheric pressure decreases.

2) Why do mountaineers carry oxygen cylinders?

- Ans) *
- * Oxygen is abundant in the atmospheric layer near to the earth's surface.
 - * when altitude increases oxygen in the air decreases and atmospheric pressure also decreases.

3) Compared to the colder regions, the tropical regions experience low atmospheric pressure. Why?

- Ans) Very high temperature experienced in lower altitude so air starts to rise. That leads to low atmospheric pressure. But in a colder region air is dense so that it leads to high atmospheric pressure.