

**Instruction** – This worksheet is designed in such a way that you can write 40-50 words on a particular concept. Each of the concepts will be discussed in the class and based upon your revision and recalling capability, attempt this worksheet. All the worksheets will be discussed through a Mentorship session. It is important to take maximum from this exercise which will eventually help you in developing your Answer Writing Skills.

## WORKSHEET – 6

### CLIMATOLOGY

1. Explain the formation and distribution of the major pressure belts on Earth (Equatorial Low, Subtropical Highs, Subpolar Lows, Polar Highs). Discuss the factors influencing their location and seasonal variations, if any.

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2. The Subtropical High-Pressure belts are often referred to as “horse latitudes.” Analyze the reasons behind this name and elaborate on the climatic implications of these high-pressure belts for surrounding regions.

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3. Critically evaluate the role of pressure belts in shaping global wind patterns. How do these wind patterns influence the distribution of precipitation and desertification across the globe?

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4. How might climate change potentially alter the global pressure belt system? Analyze the potential consequences of such changes on regional climates and extreme weather events.

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