

Unique Paper Code : **32181303**
Name of Paper : **Atmosphere & Global Climate Change (Core)**
Name of Course : **B.Sc. (Hons) Environmental Sciences**
Semester : **III**
Duration: **3 hours** Maximum marks: **75**

*Attempt **any four** questions. All questions carry **equal** marks.*

1. Explain how El Nino and La Nina can impact the weather worldwide? How is global climate change affecting them? Use examples to explain its impact?
2. “India signed and ratified Paris Climate Agreement”? Explain India’s role and defined targets in the said agreement? Also, compare the above agreement with the Kyoto protocol?
3. Explain Indian monsoon variability during the Holocene? What were its implications?
4. Does climate change induce sea level rise can have multiple negative consequences? Explain with relevant case studies and examples.
5. “India has seen a rise in no of natural disasters in the last few years” Explain the reason and, in your opinion, should it be the role of policymakers and other stakeholders to minimize/reduce its impact?
6. Is carbon trading increasingly criticized? Explain how it works and the reason for its criticism? What is your opinion that can be an alternative to effectively managing carbon emissions?