

## **EVS 605 Atmosphere and Climate Change**

**(Credits: 04)**

**OBJECTIVE:** To recognize dynamic nature of earth's atmosphere in terms of global energy balance, and appraise climate change and policy initiative

**Earth System:**

Geological history; Development and evolution of atmosphere; Atmosphere and climate; Air-sea interaction; Global energy balance; Wind, monsoon and cyclones

**Climate Change and Policies:**

Natural climate change; Human impacts on climate; Impacts of climate change; Climate change policies

### **SUGGESTED READINGS**

*Atmosphere, Weather and Climate – R.G. Barry, Routledge Press, UK.*

*The Earth System - L.R. Kump, J.F. Kastaig and R.G. Carne (eds.), Prentice-Hall India P. Ltd., New Delhi.*

*General Climatology- J.H. Critchfield, Prentice-Hall India, P.Ltd., New Delhi.*

*Climate and Global Climate Change – D. Harrey, Prentice-Hall India P. Ltd., New Delhi.*