

## **Climate Change & its Implications (CCI)**

**End Exam**

**Maximum Marks: 25**

### **Group-1**

#### **Answer all questions**

**(Each question carries 5 marks)**

- 1) What is climate change? Briefly discuss the natural and man-made reasons for climate change.
- 2) What are atmospheric aerosol? Discuss the different sources of aerosols from the Earth's surface.
- 3) Briefly discuss the impact of climate change on our biodiversity, and the possible adaptations.
- 4) Discuss any one method to predict the future climate/geographical suitability of agricultural crops.
- 5) Estimate how much the sea level would rise if the entire Arctic ice sheet were to melt.  
Area covered by Arctic sea ice is 3% of the area of the surface of the Earth, land area is 29.5% of the surface of Earth. [Earth's radius=6371 km; mass of Arctic ice sheet= $0.04 \times 10^3 \text{ kg/m}^2$ ]