

CLIMATE CHANGES AND GLOBAL WARMING

Time : Three Hours

Maximum : 75 Marks

Answer ALL questions

ALL questions carry EQUAL marks (5 x 15 = 75)

- 1 a What is El Nino? Describe the changes in climate patterns on Indian agriculture. (10)
- b Give an account on 'Clean Power Plan' proposed by USA in 2015. (5)
- OR
- c Illustrate the different missions of 'National Action Plan on Climate Change'. (10)
- d How the Indian Meteorological Department help the farmers to avoid climate related calamities?? Explain the recent implementation by IMD. (5)
- 2 a Discuss the current rate and future estimation of carbon emissions from fossil fuels. (7)
- b Explain the sources, environmental impacts and control measures of ozone depletion. (8)
- OR
- c Describe the various sources and sequestration process of carbon. (15)
- 3 a How atmospheric composition influence climate change? Explain. (8)
- b Give an account on global radioactive forcing. (7)
- OR
- c Describe the greenhouse gas emissions from various sectors and its influence on climate change in India. (15)
- 4 a Discuss the impacts of climate change on glacier ecosystem. Why this ecosystem is more prone to climate change? Explain with examples. (8)
- b How climate change influence the land degradation? What are the consequences faced such degradation in Indian system? (7)
- OR
- c Describe the climate change impacts on species extinction with examples. (15)
- 5 a Discuss the Indian solar energy policy and how this will help to mitigate global warming. (10)
- b What are the salient features in Indian Biofuel Policy? (5)
- OR
- c Discuss the outcomes of Cop in Doha, Warshaw and Lima. (6)
- d 'Role of green technologies is most suitable for sustainable environment' – Justify with suitable examples. (9)