

(Following Paper ID and Roll No. to be filled in your
Answer Books)

Paper ID :121666

Roll No.

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B.TECH.

Theory Examination (Semester-VI) 2015-16

SCIENCE AND POLICY OF CLIMATE CHANGE

Time : 3 Hours

Max. Marks : 100

Section-A

Q.1 Attempt all parts. All parts carry equal marks.

Write answer of each part in short. (2×10=20)

- (a) What factors do determine earth's climate?
- (b) Define albedo.
- (c) Classify storms.
- (d) How permanent is the El Nino climate phenomenon?
- (e) Differentiate climate change and global warming.
- (f) Write about 1970s (IIASA, DOE).

- (g) Enlist the greenhouse gases.
- (h) Expand IPCC.
- (i) What is the role of state and local ordinances on climate change?
- (j) Why does continuous hearings and testimonies are required for climate change.

Section-B

2. Attempt any five parts of the following. (10×5=50)

- (a) What is climate change? Explain the role of India on climate change and global warming.
- (b) Discuss the three cell model in general atmospheric circulation.
- (c) Explain in detail about dynamics of storm generation and effects on ecosystems.
- (d) Outline global warming with a case study.
- (e) Elaborate Kyoto protocol to framework convention on climate change.
- (f) Summarize Internationally adopted emissions restrictions.

- (g) Describe the Hearings on subject matter chosen by leaders on climate change.
- (h) Elucidate active federal Legislation on climate change.

Section-C

Note: Attempt any two parts of the following. (15×2=30)

- 3. (a) Illustrate basic concepts and history of climate change.
- (b) Elaborate the expected changes with warming on climate change.
- 4. (a) Summarize Pacific-North American pattern.
- (b) Write a short notes on :
 - (i) Paleo-indicators of climate
 - (ii) Quantitative analysis of climate change
- 5. (a) Describe startup, mission and frame work of UN IPCC
- (b) Elaborate class legislative proposals and discussion on climate change in detail.