

M.Sc. Sem.-1 Examination

404

Climate Change

January-2024

Time : 2-30 Hours]

[Max. Marks : 70

Instructions: All Questions carry equal marks

Attempt all Questions

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| Q I | Explain Energy Balance of the Earth and Explain how It's impacts on Climate change? | 14 |
| OR | | |
| Q I | A. Explain evidences of Cyclones and Thunderstorms? | 7 |
| | B. Explain evidences of ice melting and sea level rising? | 7 |
| Q II | Define food security. How does climate change impact food security in a negative way? | 14 |
| OR | | |
| Q II | A. Discuss role of energy in development of human civilisation. | 7 |
| | B. Explain the concept of Urban heat island. | 7 |
| QIII | Write a note on IPCC | 14 |
| OR | | |
| Q III | A. Explain Kyoto Protocol | 7 |
| | B. Write a Short note on Paris Agreement | 7 |
| Q IV | Explain in brief the cryospheric and atmospheric processes and their feedbacks. | 14 |
| OR | | |
| Q IV | A. What are the various ocean processes? | 7 |
| | B. Give a brief account on surface mixed layer and formation of eddies. | 7 |
| Q V | Attempt any 7 out of 12 MCQs/Short question (One- or Two-line answer)/ Fill in the blanks/True or False etc. | 14 |
| 1 | How do scientist know that recent climate change is largely caused by human activities? | |
| 2 | What is Cyclone and Thunderstorm? | |
| 3 | What is ocean acidification and why does it matter? | |
| 4 | Full form of UNEP | |
| 5 | Name three mechanisms of Kyoto Protocol | |
| 6 | Full Form of NAPCC | |
| 7 | Define Albedo | |
| 8 | What is El Nino? | |
| 9 | Climate change refers only to extreme events and global warming. (True or False) | |
| 10 | Full form of LULUCF. | |
| 11 | What's the difference between emigration and immigration? | |
| 12 | Which invention marked the beginning of Industrial Revolution? | |

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