

## M.Phil. Climate Change Examination

Paper-1 601

Climate Change

April 2019

Time : 2-30 Hours]

[Max. Marks : 70

Instructions : All questions are compulsory and carry equal marks

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- Q.1.A. Explain Safety in a research laboratory. 14  
OR
- Q.1 A. Write brief notes on: 14  
i. Cleaning Glassware ii. Care of Microscopes
- Q.1 B. Explain in one line any four: 04  
percent solution, ppm, buffer, pH, distillation, SI units
- Q.2. A. Explain the significance of information technology in detail. 14  
OR
- Q.2.A. Write Short notes on : 14  
i. IPR ii. Online tools.
- Q.2. B. Explain in one line any four: 04  
Plagiarism, WWW, word processor, CBD, NBA, NCBI
- Q.3. A. Explain various methods of communicating scientific information. 14  
OR
- Q.3.A. Describe: 14  
i. Types of research ii. Need to improve presentation skills
- Q.3. B. Explain in one line any three: 03  
ISSN, H-index, Research Gate, Scopus, Impact factor
- Q.4. A Justify the significance of ANOVA in research. 14  
OR
- Q.4 A Explain: 14  
i. Correlation ii. Hypothesis testing
- Q.4. B. Explain in one line any three: 03  
t-test, chi-square, SPSS, standard, errors
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**M.Phil. Climate Change Examination****Paper-2 602****Climate Change****April 2019****Time : 2-30 Hours]****[Max. Marks : 70**

Instructions : All questions are compulsory and carry equal marks

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- Q.1.A. Explain adaptation measures by India. 14  
OR
- Q.1 A. Write brief notes on the adaptation strategy of : 14  
i. Forests ii. Coastal zone
- Q.1 B. Explain in one line any four: 04  
Vulnerability, Resilience, opposition to adaptation, actors, types of adaptation, methods of adaptation
- Q.2. A. Explain the concept and determinants of adaptive capacity in detail. 14  
OR
- Q.2.A. Write Short notes on enhancing adaptive capacity of : 14  
i. Agriculture ii. Coastal zone
- Q.2. B. Explain in one line any four: 04  
CBA, ALM, APF, SEA, CC-DARE, NAPAs.
- Q.3. A. Explain the methodology and structure of mitigation assessment. 14  
OR
- Q.3.A. Describe: 14  
i. Short term mitigation ii. Long term mitigation
- Q.3. B. Explain in one line any three: 03  
CARB, EURO, Bharat stage, clean technology in Gujarat, carbon sinks
- Q.4. A Describe the technology options in India and Gujarat. 14  
OR
- Q.4 A i. Explain technological issues for technology transfer. 07  
ii. Describe the barriers to technology transfer 07
- Q.4. B. Explain in one line any three: 03  
Biomass, stakeholders, geothermal, solar, Hydro
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**M.Phil. Climate Change Examination****Paper-3****603 Climate Change****April 2019****Time : 2-30 Hours]****[Max. Marks : 70**

- Q.1.A. Explain the international carbon market. 14  
OR
- Q.1 A. Write brief notes on: 14  
i. Voluntary carbon market ii. Buyers and sellers of carbon assets
- Q.1 B. Explain in one line any four: 04  
carbon accounting, NASDAQ, Tradable permits, carbon offsets, fixed pricing, floating pricing.
- Q.2. A. Explain the significance and objectives of green accounting in detail. 14  
OR
- Q.2.A. Write Short notes on : 14  
i. Article 51A ii. Constitutional provisions
- Q.2. B. Explain in one line any four: 04  
CSR. mandatory disclosure. voluntary disclosure, green accounting, act, notifications.
- Q.3. A. Explain types of tourism in India. 14  
OR
- Q.3.A. Describe: 14  
i. Sustainable tourism ii. Agenda 21
- Q.3. B. Explain in one line any three: 03  
WTTC, NGO, ecoclub, problems with plastics, transportation.
- Q.4. A Justify the significance of green conventions. 14  
OR
- Q.4 A Explain: 14  
i. Green buildings ii. Paperless administration
- Q.4. B. Explain in one line any three: 03  
CNG. solar powered planes. electric cars. project loon.
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