

**ASSIGNMENT BOOKLET**

**MSc in Geography Programme  
(MSCGG)  
(2<sup>nd</sup> Semester)**

**Valid from 1<sup>st</sup> January, 2024 to 31<sup>st</sup> December, 2024**



**School of Sciences  
Indira Gandhi National Open University  
Maidan Garhi  
New Delhi-110068  
(2024)**

Dear Student,

Please read the section on assignments in the Programme Guide of MSc Geography Programme. A weightage of 30 per cent, as you are aware, has been earmarked for continuous evaluation, **which would consist of one tutor-marked assignment** for this course. The assignment given in this booklet consists of three parts, Part A, B and C. The total marks of all the parts are 100, of which 35% are needed to pass it.

### Instructions for Formatting Your Assignments

Before attempting the assignment please read the following instructions carefully:

- 1) On top of the first page of your answer sheet, please write the details exactly in the following format:

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**ENROLMENT NO.:** .....

**NAME:**.....

**ADDRESS:**.....

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**COURSE CODE:** .....

**COURSE TITLE:** ... ..

**ASSIGNMENT NO.:** .....

**STUDY CENTRE:** ..... **DATE:** .....

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**PLEASE FOLLOW THE ABOVE FORMAT STRICTLY TO FACILITATE EVALUATION AND TO AVOID DELAY.**

- 2) Use only foolscap size writing paper (but not of very thin variety) for writing your answers.
- 3) Leave 4 cm margin on the left, top and bottom of your answer sheet.
- 4) Your answers should be precise.
- 5) Complete each of Part A, Part B and Part C of this assignment separately, and **submit them together.**
- 6) The assignment answer sheets are to be submitted to your Study Centre within the due date. **Answer sheets received after the due date shall not be accepted. We strongly suggest that you retain a copy of your answer sheets.**
- 7) **This assignment is valid from 1<sup>st</sup> January, 2024 to 31<sup>st</sup> December, 2024. The last date for assignment submission is as follows:**  
**31<sup>st</sup> March 2024 for July 2023 admission cycle**  
**30<sup>th</sup> September 2024 for January 2024 admission cycle**  
If you have failed in this assignment or fail to submit it by due date, then you need to get the assignment for the year 2024-25, and submit it as per the instructions given in the Programme Guide.
- 8) **You cannot fill the exam form for this course** till you have submitted this assignment. For any further queries, please contact: [satyaraj@ignou.ac.in](mailto:satyaraj@ignou.ac.in), [vishalwarpa@ignou.ac.in](mailto:vishalwarpa@ignou.ac.in), [knrao@ignou.ac.in](mailto:knrao@ignou.ac.in)

We wish you good luck.

# ASSIGNMENT

## Climatology

Course Code: MGG-005

Assignment Code: MGG-005/TMA/2024

Maximum Marks: 100

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### Part-A

**All Questions are compulsory. Each question carries 10 marks.**

1. Discuss the origin and evolution of earth's atmosphere. Describe the vertical layers of earth's atmosphere on the basis of temperature differences.
2. Explain the processes of heating and cooling of earth's atmosphere. Describe the horizontal and vertical distribution of temperature and the concept of adiabatic lapse rate.
3. Explain the origin of monsoon with a special reference to India. Discuss the factors affecting monsoon, including El Nino and La Nina.
4. Define fronts and cyclones. Explain the characteristics of temperate and tropical cyclones.

### Part-B

**All Questions are compulsory. Each question carries 10 marks.**

5. Describe the procedures, tools, and methods used in weather forecasting. Discuss weather forecasting practices in India.
6. Describe the climatic classification system proposed by Thornthwaite. Discuss its bases, thermal efficiency, precipitation effectiveness, classification, and evaluation.
7. Give a detailed description of the vertical layers of the earth's atmosphere.

### Part-C

**8. Write Short notes on the following. Each question carries 5 marks.**

- a) Distinguish between weather and climate. Identify the elements controlling weather and climate.
- b) Distinguish between seasonal winds and local winds.
- c) Explain the "B" Type of Climate of Koeppen.
- d) Explain the role of sub-fields within climatology, such as synoptic climatology and applied climatology, in addressing environmental challenges
- e) Describe the significance of jet streams in shaping global weather patterns and aviation routes.
- f) Explain how air masses influence weather patterns and climatic conditions in different regions.

**ASSIGNMENT**  
**Economic Geography**

**Course Code: MGG-006**  
**Assignment Code: MGG-006/TMA/2024**  
**Maximum Marks: 100**

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**Part-A**

**All Questions are compulsory. Each question carries 10 marks.**

1. Describe the recent approaches of economic geography.
2. Explain the concept of Geographical Identity referring to “Local to Global” and “Global to Local” approaches.
3. Discuss the Three Sector Hypothesis with its criticism.
4. Write a detailed account on climate change and geopolitics highlighting the north-south divide.

**Part-B**

**All Questions are compulsory. Each question carries 10 marks.**

5. Discuss Rostow’s Stages of Economic Growth with its criticism.
6. Write an essay on economic groupings by UNO.
7. Explain in detail about the traditional versus knowledge economies.

**Part-C**

**8. Write Short notes on the following. Each question carries 5 marks.**

- a) Isotropic surface
- b) Gig Economy
- c) Rural Tourism
- d) City Branding and Place Marketing
- e) Benefits of economic integration
- f) Exchange of scientific knowledge

**ASSIGNMENT**  
**Environmental Geography**

**Course Code: MGG-007**  
**Assignment Code: MGG-007/TMA/2024**  
**Maximum Marks: 100**

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**Part-A**

**All Questions are compulsory. Each question carries 10 marks.**

1. Define the ecosystem and its components elaborately.
2. Describe the different kinds of vulnerability. Examine critically the Sendai Framework for disaster management.
3. What are the geological hazards? Explain any two geological hazards in detail.
4. Discuss in brief any four Environmental Impact Assessment methods and their advantages and disadvantages.

**Part-B**

**All Questions are compulsory. Each question carries 10 marks.**

5. Explore how physical and human factors influence organisms dispersion. And explain any two bio-geographical areas in India.
6. Explain direct and indirect impact of climate change on human health.
7. Describe health risk and vulnerabilities in India due to arsenic pollution and fluoride contamination.

**Part-C**

**8. Write Short notes on the following. Each question carries 5 marks.**

- a) Global Warming
- b) Principles of Social Impact Assessment
- c) Nitrogen Cycle
- d) Forest Fires
- e) Management of Floods
- f) Biomedical and non-biomedical perspective on health.

# ASSIGNMENT

## Urban Geography

Course Code: MGG-010

Assignment Code: MGG-010/TMA/2024

Maximum Marks: 100

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### Part-A

**All Questions are compulsory. Each question carries 10 marks.**

1. Discuss the evolution of urban settlements from ancient to modern times, highlighting the key factors influencing their growth and development.
2. Analyse the functional morphology of cities, with special reference to the Central Business District (CBD) and its role in shaping urban land use patterns. Provide examples from select case studies of Indian cities to illustrate your points.
3. Critically examine the contemporary challenges faced by urban environments, including pollution, urban flooding, heat islands, and climate change. Discuss potential strategies for mitigating these urban environmental problems.
4. Explore the role of urban planning in India, tracing its evolution, major concepts, and types. Highlight the significance of urban planning in addressing the diverse challenges of urbanisation in the Indian context.

### Part-B

**All Questions are compulsory. Each question carries 10 marks.**

5. Evaluate the effectiveness of urban programmes in India such as JNNURM, AMRUT, and Smart City Mission in addressing urban development challenges. Discuss their key features, implementation strategies, and impact on urban sustainability.
6. Explain the changing approaches in Urban Geography over time. How do they reflect the evolving nature of urbanisation and urbanism?
7. Compare and contrast the theories and models in urban studies, focusing on the Central Place Theory by Christaller and Losch, and the Growth Pole Theory by Perroux and Boudeville. Evaluate their relevance in explaining urban systems.

### Part-C

**8. Write Short notes on the following. Each question carries 5 marks.**

- a) Concept of urban sprawl and its implications for urban development.
- b) Concept of sustainable urbanisation and its importance in ensuring the future viability of cities.
- c) Significance of the Basic-Non Basic concept in understanding urban economic functions.
- d) Impact of urban environmental pollution on public health and quality of life.
- e) Planning challenges associated with informal settlements in urban areas.
- f) Define urban morphology and discuss its importance in understanding the spatial organisation of cities.