MGGE-004

ASSIGNMENT BOOKLET

M.Sc. Programme in Geography
(MSCGG)
(4th Semester)

Valid from 1st January, 2025 to 31st December, 2025

School of Sciences
Indira Gandhi National Open University
Maidan Garhi
NewDelhi-110068
(2025)

Dear Student,

Please read the section on assignments in the Programme Guide of M.Sc. Programme in Geography. 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 is in this booklet, and it 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:

ROLL NO.: …….
NAME: ……
ADDRESS: ……
……
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COURSE CODE.: …….
COURSE TITLE.: …….
ASSIGNMENT NO.: ……..…
STUDY CENTRE.: ……..….. **DATE.:**……..……...

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. You can also use A4 size paper if you do not get foolscap size paper. Paper should be lined. Use only blue pen for writing. Avoid using red pen even for highlighting anywhere in the paper. You can use other highlighters if you need.

3) Leave 4cm 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 1st January, 2025 to 31st December 2025. The last date for assignment submission is 31st March 2025 for July 2023 admission cycle and 30th September 2025 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 2026, 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: knrao@ignou.ac.in and/or dr.krishnakumar@ignou.ac.in

We wish you good luck.

ASSIGNMENT

Hydrology and Water Resources (Elective Course)

Course Code: MGGE-004
Assignment Code: MGGE-004 /TMA/2025
Maximum Marks: 100

Part-A

All Questions are compulsory. Each question carries 10 marks.

1. What is hydrology? Describe the history of hydrology in detail.
2. Explain different components of hydrological cycle with neat diagram.
3. Describe in detail the water distribution on the earth.
4. Discuss the inter-state water disputes in India.

Part-B

All Questions are compulsory. Each question carries 10 marks.

5. Discuss the concept of hydrograph. Explain the Unit Hydrograph with its applications and limitations.
6. What are different types of floods? Explain any two types of floods with their causes and effects in detail.
7. What is the concept of water governance? Discuss any four elements and dimensions of water governance.

Part-C

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

a) Drainage Patterns
b) Agricultural Drought
c) Water as a Resource
d) Water Harvesting
e) Jal Jeevan Mission of India
f) Runoff