

ASSIGNMENT BOOKLET

M.Sc. in Geography Programme (MSCGG) (Oceanography MGG-013)

Valid from 1st July, 2026 to 30th June, 2027



**School of Sciences
Indira Gandhi National Open University
MaidanGarhi
New Delhi-110068
(2026-27)**

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:

ENROLMENT NO.:	
NAME:	
ADDRESS:	
	
	
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.
- 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 1st July, 2026 to 30th June 2027. The last date for assignment submission is as follows:**

30th September 2026 for January 2026 admission cycle

31st March 2027 for July 2026 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 2027-28, 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 Programme Coordinators: satyaraj@ignou.ac.in, knrao@ignou.ac.in, vishalwarpa@ignou.ac.in

We wish you good luck.

ASSIGNMENT
Oceanography

Course Code: MGG-013

Assignment Code: MGG-013/TMA/2026-27

Maximum Marks: 100

Part-A

All Questions are compulsory and carries 10 marks each

- 1) Discuss the different eras of Oceanographic exploration.
- 2) Discuss the Planetesimal and Tetrahedral Hypothesis regarding the origin of continents and oceans.
- 3) Discuss in detail the currents of Indian Ocean and their effects on the coastal weather conditions.
- 4) Discuss the causes and consequences of coastal bleaching.

Part-B

All Questions are compulsory and carries 10 marks each

- 5). What is the significance of density of ocean water? Discuss the vertical distribution of density of the oceans.
- 6) What are coral reefs and its types? Describe the Darwin's Subsidence Theory regarding the formation of coral reefs.
- 7) What are tides? Differentiate between spring tides and neap tides. Discuss the equilibrium theory regarding of the origin of tides.

Part-C

8) Write Short notes on the following. All Questions are compulsory and carries 5 marks each.

- a) Submarine density currents theory.
- b) Pelagic Deposits.
- c) Major fishing regions of the world and the importance of fish resources.
- d) Two factors affecting horizontal distribution of temperature in the oceans.
- e) Oceanic salinity.
- f) Exclusive Economic Zone (EEZ)

Note: Draw figures wherever necessary.