

BGYCT-131

ASSIGNMENT BOOKLET

**Bachelor's Degree Programme
(BSCG/BSCM)**

PHYSICAL AND STRUCTURAL GEOLOGY

Valid from 1st January, 2026 to 31st December 2026

It is compulsory to submit assignment prior to filling Examination form



**School of Sciences
Indira Gandhi National Open University
Maidan Garhi, New Delhi-110068**

(2026)

Dear Student,

Please read the section on assignments in the Programme Guide for B.Sc. that we sent you after your enrolment. A weightage of 30%, 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 two parts, Part A and B. 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:
.....
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) Solve Part A and Part B of this assignment, and **submit the complete assignment answer sheets containing Parts A and B within the due date.**
- 6) The assignment answer sheets are to be submitted to your Study Centre within the due date as per the schedule specified by the University. **Answer sheets received after the due date shall not be accepted.**
- 7) **We strongly suggest keeping a copy of your answer sheets with you for future reference.**
- 8) This assignment is **valid from 1st January 2026 to 31st December 2026**. If you have failed in this assignment or fail to submit it by December 2026, then you need to get the assignment for the year **2027**, and submit it as per the instructions given in the Programme Guide and/or latest IGNOU guidelines.
- 9) Last Date for Submission of Assignment:

Admission session	Date of submission	Where to submit
January, 2026	31 st March, 2026	Study Centre
July, 2026	30 th September, 2026	Study Centre

Please note that last date of submission may be changed by the University. Please check IGNOU website for updated information regarding due date of assignment submission.

- 10) It is advised to keep with you a photocopy of the assignment(s) submitted by you.
- 11) **You cannot fill the examination form for this course until you have submitted this assignment.** For any queries regarding, please contact: meenalmishra@ignou.ac.in, bdeshmukh@ignou.ac.in.

We wish you good luck.

Tutor Marked Assignment
PHYSICAL AND STRUCTURAL GEOLOGY

Course Code: BGYCT-131
Assignment Code: BGYCT-131/TMA/2026

Maximum Marks: 100

Note: Attempt all questions. The marks for each question are indicated against it. Write all answers in your own words; do not copy from the course material.

Part A

1. Write short notes on the following:
 - a) Branches of geology (5)
 - b) Age of the Earth (5)
2. Explain, how the geoscientists study the structure and composition of Earth's interior. Add a note on the internal structure of the Earth. (10)
3. Describe the erosional landforms resulting from glacial activities with the help of neat well labelled diagrams. Add a note on morphology of glaciers. (10)
4. What is volcanism? Discuss the different landforms developed as the result of volcanic activity. (10)
5. Differentiate the following:
 - a) Spheroidal weathering and exfoliation (5)
 - b) Meandering and braided channel (5)

Part B

6. Discuss the geometrical classification of faults with the help of neat well labelled diagrams. (10)
7. Differentiate the following:
 - a) Planar and linear structure (5)
 - b) Erosional and fold mountain (5)
8. Discuss the geometrical classification of joints with the help of neat well labelled diagrams. Add a note on significance of joints (10)
9. Elucidate the activities occurring along the convergent plate margins with the help of suitable examples. (10)
10. Write short notes on the following:
 - a) Dip and strike (5)
 - b) Elements of fold (5)