

BGYCT-131

ASSIGNMENT BOOKLET

Bachelor's Degree Programme (BSCG)

PHYSICAL AND STRUCTURAL GEOLOGY

Valid from 1st January, 2023 to 31st December 2023

It is compulsory to submit assignment prior to filling Examination form



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

(2023)

Dear Student,

Please read the section on assignments in the Programme Guide for B. Sc. that we sent you after your enrollment. A weightage of 30 percent, 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 2023 to 31st December 2023.** If you have failed in this assignment or fail to submit it by December 2023, then you need to get the assignment for the year **2024**, and submit it as per the instructions given in the Programme Guide and/or latest IGNOU guidelines.
- 9) **You cannot fill the examination form for this course until you have submitted this assignment.** For any queries regarding the assignment, please contact: **meenalmishra@ignou.ac.in**, or **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/2023

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) Applied and allied branches of geology (5)
 - b) Formation of the solar system (5)
2. Give an account of the layering and composition of the Earth. (10)
3. Explain depositional landforms resulting from aeolian activities with the help of neat well labelled diagrams. (10)
4. What is weathering? Describe its types and the factors affecting weathering. (10)
5. Describe various types and stages of rivers with the help of neat diagrams. (10)

Part B

6. Describe elements of a fold. Also discuss classification of folds based on their special properties giving neat well labelled diagrams. (10)
7. Differentiate the following :
 - a) Contraction and expansion hypotheses of mountain building (5)
 - b) Measurement of strike and dip of an inclined bed (5)
8. What is a joint? Explain genetic classification of joints giving suitable diagrams. (10)
9. Give an account of classification of mountains with the help of suitable diagrams. (10)
10. Write short notes on the following:
 - a) Criteria for recognition of faults in field (5)
 - b) Principles of plate tectonics (5)