

BGYCT-137

ASSIGNMENT BOOKLET

Bachelor's Degree Programme (BSCG)

STRATIGRAPHY AND PALAEOLOGY

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 enrolment. 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 as per the schedule. Answer sheets received after the due date shall not be accepted.**
- 7) We strongly suggest that you retain a copy of your answer sheets.
- 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.
- 9) **You cannot fill the examination form for this course** until you have submitted this assignment. For any queries, please contact: omkarverma@ignou.ac.in and kakoligogoi@ignou.ac.in

We wish you good luck.

Tutor Marked Assignment

STRATIGRAPHY AND PALAEOONTOLOGY

Course Code: BGYCT-137

Assignment Code: BGYCT-137/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) Order of superposition (5)
 - b) Stratigraphic contacts and unconformities (5)
2. Discuss in detail litho-, bio- and chrono-stratigraphic classifications. (10)
3. Give a detailed account of stratigraphy of Palaeogene–Neogene sequences of Northwest Himalaya. (10)
4. Describe stratigraphic classification, lithology and economic importance of Dharwar and Delhi supergroups. (10)
5. Describe stratigraphy and economic importance of Gondwana Supergroup. (10)

Part B

6. What are fossils? Discuss in detail, the processes of fossilisation. (10)
7. Write short notes on the following:
 - a) Gondwana flora (5)
 - b) Mineral-walled microfossils (5)
8. Discuss the evolutionary history of horse. Add a note on the role of climate in the evolution of horse. (10)
9. Discuss the morphology and geological history of brachiopods. Add a note on the living fossil - *Lingula*. (10)
10. Write short notes on the following:
 - a) Morphology of gastropods (5)
 - b) Geological history of trilobites (5)