

**BGYCT-137**

**ASSIGNMENT BOOKLET**

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

**STRATIGRAPHY AND PALAEOLOGY**

**Valid from 1<sup>st</sup> January, 2022 to 31<sup>st</sup> December, 2022**

**It is compulsory to submit assignment prior to filling Examination form**



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

**(2022)**

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:

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**ROLL NO.:**.....

**NAME:**.....

**ADDRESS:**.....

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**COURSECODE:** .....

**COURSE TITLE:** .....

**ASSIGNMENT NO.:**.....

**STUDYCENTRE:** ..... **DATE:**.....

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**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 1<sup>st</sup> January, 2022 to 31<sup>st</sup> December, 2022.** If you have failed in this assignment or fail to submit it by December, 2022, then you need to get the assignment for the year 2023, 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](mailto:omkarverma@ignou.ac.in) and [kakoliqogoi@ignou.ac.in](mailto:kakoliqogoi@ignou.ac.in)

We wish you good luck.

## Tutor Marked Assignment

### STRATIGRAPHY AND PALAEOONTOLOGY

Course Code: BGYCT-137  
Assignment Code: BGYCT-137/TMA/2022

Maximum Marks:100

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**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) Lithostratigraphy (5)
  - b) Stratigraphic correlation (5)
2. Discuss in detail the principles of stratigraphy. (10)
3. Give a detailed account of the physical and structural divisions of India with reference to stratigraphy of India. (10)
4. Describe stratigraphic classification, lithology and economic importance of Cuddapah and Vindhyan supergroups. (10)
5. Describe stratigraphy of Triassic of Spiti and Mesozoic of Kachchh. (10)

#### **Part B**

6. Describe types and importance of fossils in geology. (10)
7. Write short notes on the following:
  - a) Organic-walled microfossils (5)
  - b) Evolutionary stages of horse (5)
8. Discuss the morphology and geological history of trilobites. (10)
9. Discuss the morphology and geological history of corals. Add a note on coral clock. (10)
10. Write short notes on the following:
  - a) Suture patterns of ammonoids (5)
  - b) Morphology of bivalves (5)