

ASSIGNMENT BOOKLET
Bachelor's Degree Programme (B.Sc.)

Application Oriented Course
on
Human Environment

Valid from 1st January 2023 to 31st December 2023

**It is compulsory to submit the Assignment before filling in the
Term-End Examination Form.**

Please Note

- You can take electives '56 to 64' credits from a minimum of TWO and a maximum of FOUR science disciplines, viz. Physics, Chemistry, Life Sciences and Mathematics.
- You can opt for elective courses worth a MINIMUM OF 8 CREDITS and a MAXIMUM OF 48 CREDITS from any of these four disciplines.
- At least 25% of the total credits that you register for in the elective courses from Life Sciences, Chemistry and Physics disciplines must be from the laboratory courses. For example, if you opt for a total of 64 credits of electives in these 3 disciplines, at least 16 credits 'out of those 64 credits' should be from lab courses.
- You cannot appear in the Term-End Examination of any course without registering for the course. Otherwise, your result will not be declared and the 'responsibility will be yours'.



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(2023)

Dear Student,

As explained in the Programme Guide for BDP, you will have to do one assignment for the Application Oriented Course of Human Environment (AHE-01). The assignment is Tutor Marked Assignment (TMA) and is based on all the six blocks of the course.

We hope you are familiar with the system of evaluation to be followed for the Bachelor's Degree Programme. At this stage you may probably like to re-read the section on assignments in the Programme Guide for Application Oriented Courses that we sent you after your enrolment. 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.

Instructions for Doing Your Assignments

Before attempting the assignment please read the following instructions carefully.

1. On top of the first page of your TMA 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 INSTRUCTIONS 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. While solving problems, clearly indicate the question number along with the part being solved. Be precise. Recheck your work before submitting it.
6. **This assignment will remain valid from January 1, 2023 to December 31, 2023.** However, you are advised to submit it within **12 weeks** of receiving this booklet to accomplish its purpose as a teaching-tool. Answer sheets received after the due date shall not be accepted.
7. The assignments have to be submitted to the **Coordinator of your study centre. Answer sheets received after the due date shall not be accepted.**
8. **We strongly feel that you should retain a copy of your assignment response to avoid any unforeseen situation and append, if possible, a photocopy of this booklet with your response.**
9. **The instructions for doing the assignment are also provided in the Programme Guide under Section 4.1 "Assignment". Do read the instructions carefully before starting your work.**
10. **It is compulsory to submit the assignment before filling in the examination form.**

Wishing you all good luck!

ASSIGNMENT
(Tutor Marked Assignment)

Course Code: AHE-01
Assignment Code: AHE-01/TMA/2023
Maximum Marks: 100

1. Differentiate between the following pairs: (10)
 - i) Expansive and stationary population histograms
 - ii) Food chain and Food web
 - iii) Savanna and Tundra
 - iv) Industrial wastes and Domestic wastes
 - v) Parasitism and Predation
2. a) List any *four* effects of urbanization of the environment and describe any *one* of them. (4)
b) Diagrammatically depict the sulphur cycle. (6)
3. a) Describe the modes of transmission of communicable diseases. (6)
b) Explain why it is essential for India to have developmental projects? (4)
4. (a) Write about the Wild Life (Protection) Act of India in brief. (6)
(b) Give any *four* concepts of a sustainable society. (4)
5. a) Write about the *three* types of air quality standards that are prescribed by the Central Pollution Control Board of India. (6)
b) What the collective strategy needs to be adopted by the countries of the Indian subcontinent in order to manage the environment of the region? (4)
6. Write short notes on the following: (20)
 - i) Bhopal gas tragedy
 - ii) “The three cell air circulation model” for each hemisphere of earth
 - iii) Effect of air pollution on animals
 - iv) Land as a non-living resource
7. (a) Describe landfill disposal of hazardous wastes. (5)
(b) With the help of suitable examples, discuss how employment patterns change due to developmental activities. (5)
8. (a) Discuss how organic farming can be used for improving land quality. (6)
(b) Explain why India became the cradle of cultural exchange between East, West, Central Asia and South East Asia? (4)
9. a) Briefly discuss the concept of the new global economic system for long term survival of the human race. (5)
b) Write about the Environment (Protection) Act of India. (5)