

FST-1

ASSIGNMENT BOOKLET

Bachelor's Degree Programme in Science (B.Sc.)

FOUNDATION COURSE IN SCIENCE & TECHNOLOGY

Valid from 1st January to 31st December 2024

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



**School of Sciences
Indira Gandhi National Open University
Maidan Garhi, New Delhi-110068
(2024)**

Dear Student,

We hope you are familiar with the system of evaluation for the Bachelor's Degree Programme. At this stage you may like to re-read the section on Assignments in the Programme Guide that was sent to 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 (TMA) for this course. The Assignment is based on all the blocks of this course.

Instructions for Formatting Your Assignment Response

1. On top of the first page of your answer sheet, please write the details in the following format:

Enrolment No.:

Name:

Address:

.....

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Course Title:

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Assignment No.:

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Address:

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Study Centre:

.....

(Name and Code)

Date:

2. Use only foolscap size writing paper for writing your answers.
3. Leave a 4 cm margin on the left, top and bottom of your answer sheet.
4. Your answers should be precise.
5. While writing answers clearly indicate the Question No. and its part, if any, that is being answered.
6. The response to this assignment is to be submitted to the Coordinator of your Study Centre as per the dates given below:

By 31st March for June Term End Examination, and
By 30th September for December Term End Examination.

7. Please keep a copy of your assignment response for your record and reference.

Best wishes

ASSIGNMENT
(Tutor Marked Assignment)

Course Code: FST-1
Assignment Code: FST-1/TMA/2024
Max. Marks: 100

1. Give an account of the scientific revolution during post renaissance period. (10)
2. List and describe the developments in medicine during the Iron Age. (10)
- 3.(a) Draw a well labelled diagram of human brain cut along the medial plane. (5)
- (b) List the major endocrine glands and add a note on their functions. (5)
4. Distinguish between nuclear fusion and nuclear fission and discuss briefly the working of a nuclear reactor. (10)
5. Discuss in detail the evidences of human evolution giving suitable examples. (10)
6. Explain how the recent technological advances have benefitted the modern education system. Give suitable examples. (10)
- 7.(a) Mention four ways in which our society has benefitted from the artificial satellite programme. (5)
- (b) Explain the impact of the modern information technology on our life style and society. (5)
8. (a) Explain the application of science and technology in small scale industries. (5)
- (b) Explain the concept of chemical evolution with the help of Miller's experiment. (5)
9. What is mass communication? Discuss the technological advances in mass communication. (10)
10. Discuss five types of infectious diseases caused by microbes. Add a note on the spread or transmission of these diseases. (10)