

FST-1

ASSIGNMENT BOOKLET

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

FOUNDATION COURSE IN SCIENCE & TECHNOLOGY

Valid from 1st January 2026 to 31st December 2026

**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**

(2026)

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:

.....

.....

Course Title:

.....

Assignment No.:

.....

Address:

.....

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

Tutor Marked Assignment
FST-01: Foundation Course in Science and Technology

Assignment Code: FST-01/TMA/2026
Max. Marks: 100

1. Discuss the differences between the socio-political organization of the state during the Maurya and the Gupta periods? (10)
2. (a) What are the conditions that determine whether the achievements of science are used for human welfare or destructive purposes? (5)
(b) What were the different methods of production used by the primitive society and the Bronze Age Civilization? (5)
3. Elaborately describe the developments in science during the Iron Age. (10)
4. Discuss the salient aspects of contribution of Arabs to the scientific knowledge giving suitable examples. (10)
5. Write short notes on the following:
(a) Ecosystem (5)
(b) Effects of radiation on health (5)
6. Describe the impact of the freedom movement on the developments in science in pre-Independence India. (10)
7. Elaborately explain the major observations that radically altered the perceptions of the universe prevailing at various times in human history. (10)
8. (a) Explain the physical properties of oceans. (5)
(b) Discuss the different theories postulated for the origin of the Earth. (5)
9. Write short notes on the following:
(a) Structure and function of nerve cells (5)
(b) Modern mediums of mass communication (5)
10. Differentiate the following:
(a) Meteor and a meteorite (5)
(b) Terrestrial and Jovian planets (5)