

**FST-1**

**ASSIGNMENT BOOKLET**

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

**FOUNDATION COURSE IN SCIENCE & TECHNOLOGY**

**Valid from 1<sup>st</sup> January to 31<sup>st</sup> December 2021**

**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**

**(2021)**

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:

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Enrolment No.: .....

Name: .....

Address: .....

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Course Title: .....

Assignment No.: .....

Address: .....

Study Centre: .....  
(Name and Code)

Date: .....

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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 31<sup>st</sup> March for June Term End Examination, and  
By 30<sup>th</sup> 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/2021**  
**Max. Marks: 100.**

1. A) What were the main features of the social organization in the Gupta Empire that led to a great improvement in Science and Technology? (5)  
B) Discuss briefly some developments in astronomy during Gupta period. (5)
2. Explain the role of scientific knowledge in agriculture with respect to arid zones, dry lands and hills. (10)
3. A) Why is it important to pursue the policy of self-reliance for the progress of science and technology and for the development of the nation? (5)  
B) What goals need to be set for the management of water resources? How water can be managed in a scientific manner? (5)
4. Distinguish between infectious and non-infectious diseases. Discuss briefly how the infectious diseases travel from one person to another. (10)
5. Analyse the factors that impeded the growth of Science in India in the medieval times. (10)
6. Explain the Theory of Chemical Evolution on scientific basis. (10)
7. Describe the various renewable resources of energy that have the potential to fulfil the needs of the society. (10)
8. Make a table showing the recommended dietary allowances, balanced diet and the major nutrients of food. (10)
9. Draw a neat and labelled illustration of basic units of computer. (10)
10. Write a detailed note on vector born diseases with suitable examples. (10)

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