

**ASSIGNMENT BOOKLET
Bachelor's Degree Programme (BDP)**

Foundation Course in Science & Technology

Valid from January 1, 2014 to December 31, 2014

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



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

(2014)

Dear Student,

We hope you are familiar with the system of evaluation for the Bachelor's Degree Programme. At this stage you may probably 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 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. This assignment is valid from January 1 to December 31, 2014. The response to this assignment is to be submitted to the Coordinator of your Study Centre within 8 weeks of the receipt of this assignment, so that you may get the feedback and comments on the evaluated assignment in time.
7. Please keep a copy of your assignment response for your record and reference.

Best Wishes

ASSIGNMENT

Course Code : FST-1
Assignment Code : FST-1/TMA/ 2014
Max. Marks : 100

1. Identify the correct words from the brackets: 2
 - a) (Insulin/Penicillin) is a synthetically prepared anti-diabetic drug.
 - b) Two atomic bombs were dropped on Hiroshima and Nagasaki in the year (1945/1955).
2. Write the terms for the following: 2
 - a) The branch of science that deals with the study of relationships between organisms and their environment.
 - b) Satellite Instruction Television Experiment
3. Match the items of *Column-1* with those of *Column-2*. 2

<i>Column-1</i>	<i>Column-2</i>
a) Mechanics	i) Green plants
b) Circulation of blood	ii) Lasers
c) Air purification	iii) Greek civilisation
d) Long distance communication	iv) William Harvey
4. Which one of the following statements is true and which is false? Write the reason for the statement being true or false. 4
 - a) Mars has several features that are similar to Earth.
 - b) Nuclear wastes are biodegradable.
5. Explain the tradition and social functions of science. 10
6. Describe any five technical devices that were invented or improved upon in Medieval India. 10
7. Citing suitable examples describe the operations involved in the 'method of science'. 10
8. Detail the techniques and instruments that have helped us in gathering information about the Universe. 10
9. What goals need to be set for the management of water resources? How water can be managed in a scientific manner? 10
10. "There is a mismatch between man's ability to produce and social incapacity to utilize". Explain the meaning of this statement. 10
11. Elucidate any five contributions made by the 'human factor specialists'. 10
12. Discuss with the help of examples as to how the research programmes not only benefit the industry but also give rise to new industries. 10
13. 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? 10