

**ASSIGNMENT BOOKLET****Bachelor's Degree Programme in Science (B.Sc.)****PLANT DIVERSITY-1****Valid from 1<sup>st</sup> January to 31<sup>st</sup> December 2019****It is compulsory to submit the Assignment before filling 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.



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

**(2019)**

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 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: LSE-12**

**Assignment Code: LSE-12/TMA/2019**

**Max. Marks: 100**

1. Prepare a table showing groups of organisms of the Five Kingdoms Classification. 10
2. With the help of suitable examples and well labelled diagrams describe the basic types of thallus in algae. 10
3. List the divisions of eukaryotic algae. Write the salient characteristics and give two examples of each. 10
4. Describe methods of vegetative reproduction in fungi with the help of labelled diagrams. 10
5. Write an account on the role of fungi in fermentation. Give suitable examples to support your answer. 10
6. Illustrate vegetative and sexual reproduction in *Marchantia*. 10
7. Make neat and labelled diagrams of the following:  
a) types of fossils, and  
b) life cycle of *Selaginella*. 20
8. Outline the general characteristics of pteridophytes. How do they resemble bryophytes and in which characteristics both differ from each other? In what aspects pteridophytes resemble seed plants? 20

-X-X-X-X-