

MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE
SEMESTER END EXAMINATION

B.Sc. (Hons.) Horticulture

Semester	: I (New)	Term	: I	Academic Year	: 2019-20
Course No.	: BIO 111	Title	: Introductory Biology		
Credits	: 2(1+1)	Time	: 10.00 to 12.00	Total Marks	: 40
Day & Date	: Tuesday, 31.12.2019				

Note : 1. Solve ANY EIGHT questions from SECTION "A".

2. All questions from SECTION "B" are compulsory. Shri. Eniva, College of Horticulture

3. All questions carry equal marks. AMRAVATI

4. Draw neat diagrams wherever necessary. Library Department

SECTION "A"

- Q.1 Define cell. Describe the structure of plant cell.
- Q.2 Define binomial nomenclature. Give rules of binomial nomenclature.
- Q.3 Define biotechnology. Write down its importance.
- Q.4 State and explain Mendel's Law of segregation.
- Q.5 Describe parts of a typical plant with function.
- Q.6 Define germination. Explain types of seed germination.
- Q.7 Differentiate between DNA and RNA.
- Q.8 Define pollination. Describe in detail cross pollination.
- Q.9 Write short notes. (Any Two)
- a) Chloroplast
- b) Mitochondria
- c) Components of Ecosystem
- Q.10 Define diversity. Give its importance in agriculture.

SECTION "B"

Q.11 Define the following terms.

1) Primary consumers

2) Food chain

3) Symbiosis

4) Evolution

Q.12 State True or False.

1) Carl Linnaeus regarded as the "Father of Taxonomy".

2) Mosquito is human parasite.

3) Fusion of male and female gamete is called fertilization.

4) Root is responsible for absorption and fixation.

