

MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE
SEMESTER END EXAMINATION

B.Sc. (Hons.) Agri. Business Management

Semester	: I (New)	Term	: I	Academic Year	: 2019-20
Course No.	: SSAC 111	Title	: Fundamentals of Soil Science		
Credits	: 2(1+1)	Time	: 10.00 to 12.00	Total Marks	: 40
Day & Date	: Monday, 30.12.2019				

- Note :
1. Solve ANY EIGHT questions from SECTION "A".
 2. All questions from SECTION "B" are compulsory.
 3. All questions carry equal marks.
 4. Draw neat diagrams wherever necessary.

SECTION "A"

- Q.1 Define soil. Give the factors affecting soil temperature.
- Q.2 Define soil biology. Give the importance of soil micro-organisms.
- Q.3 Define soil structure. Give the factors influencing soil structure.
- Q.4 Explain in detail physical and chemical weathering processes of rocks.
- Q.5 Define soil air. Give the factors affecting composition of soil air.
- Q.6 Give the importance of soil water in agriculture.
- Q.7 Define minerals. Classify minerals on the basis of mode of formation.
- Q.8 Define soil erosion. Give the types of water erosion.
- Q.9 Define soil texture. What is the importance of soil texture?
- Q.10 Define edaphology. Give the composition of earth crust.

SECTION "B"

Q.11 Define the following terms.

- | | |
|--------------------|---------------------|
| 1) Rock | 2) Pedology |
| 3) Primary mineral | 4) Particle density |

Q.12 Fill in the blanks.

- 1) Size of clay particle is _____.
- 2) _____ is an example of expanding clay mineral.
- 3) The parent material from which the soil is formed is known as _____.
- 4) To determine soil colour _____ is used.

