

MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE
SEMESTER END EXAMINATION
B.Tech. (Agril. Engg.)

Semester	: II (New)	Term	: II	Academic Year	: 2017-18
Course No.	: AS-AGRO 121	Title	: Principles of Agronomy		
Credits	: 2 (1+1)	Time	: 09.00 to 11.00	Total Marks	: 40
Day & Date	: Friday, 27.04.2018				

- 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 the term Agronomy. Write its scope in relation to agricultural engineering.
- Q.2 Classify crops on the basis of agronomic use with suitable example.
- Q.3 Define the term tillage and state various objectives of tillage.
- Q.4 Explain in short effect of different weather parameters on crop growth and development.
- Q.5 Give in detail different methods of fertilizer application.
- Q.6 Write in short about cultivation aspects of wheat on the following points.
- a) Economic importance
 - b) Seed and sowing
 - c) Manures and fertilizers
 - d) Harvesting and yield
- Q.7 Write in short about cultivation aspects of maize on the following points.
- a) Economic importance
 - b) Seed and sowing
 - c) Manure and fertilizer requirement
 - d) Harvesting and yield
- Q.8 Write in short about cultivation aspects of groundnut on the following points.
- a) Economic importance
 - b) Varieties
 - c) Weed management
 - d) Harvesting and yield
- Q.9 Define the term organic farming and state principles of organic farming.
- Q.10 Write in short about cultivation aspects of chickpea on the following points.
- a) Soil and climate
 - b) Manures and fertilizers application
 - c) Seed and sowing
 - d) Harvesting and yield

SECTION "B"

- Q.11 Fill in the blanks.
- 1) The flowering in sugarcane is referred as _____.
 - 2) The botanical name of sorghum is _____.
 - 3) Dapog method of raising seedling is followed in _____ crop.
 - 4) Pulses crops are known as protective food because they are rich in _____.
- Q.12 Define the following terms.
- 1) Tilt
 - 2) Sustainable agriculture
 - 3) Ploughing
 - 4) Nipping

