

SVKM's NMIMS
SCHOOL OF AGRICULTURAL SCIENCES AND TECHNOLOGY

Programme: B.Sc. Agriculture

Year: I Semester: I

Academic Year: 2019-20

Subject: Fundamentals of Agronomy

Date: 21 December 2019

Marks: 50

Time: 11.00 am - 1.00 pm

Durations: 2 (Hrs)

No. of Pages: 01

Final Examination

Note: Attempt all questions.

Q1. Multiple choice questions:

10 X 1 = [10]

1. The word "Agronomy" is derived from the following language:
a. Latin b. Greek c. Arabic d. None
2. Depth of sowing depends on:
a. Seed shape b. Seed quality c. Seed size d. Seed viability
3. The method of sowing which requires more seed rate is:
a. Dibbling b. Drilling c. Transplanting d. Broad casting
4. Which is not minor millet?
a. Wheat b. Kodo millet c. Finger millet d. Foxtail millet
5. Harrowing is comes under:
a. Secondary tillage b. Primary tillage c. Zero tillage d. All of these
6. The diameter of clay soil particles is:
a. 2.0-0.2 mm b. 0.2-0.02 mm c. 0.02-0.002 d. <0.002 mm
7. Which is a best example of functional element:
a. Sodium b. Nitrogen c. Phosphorus d. Potassium
8. Crop water use efficiency is equals to:
a. WR/Y b. Y/ET c. ET/Y d. Y/WR
9. The method of irrigation exclusive for lowland rice is:
a. Drip irrigation b. Sprinkler irrigation c. Flooding d. Ring basin
10. Which is a non selective herbicide:
a. 2,4-D b. Fluchloralin c. Atrazine d. Paraquat

Q2. Define the following (Any five)

5 X 2 = [10]

1. Evapotranspiration (ET)
2. Crop rotation
3. Herbicide resistance
4. Hygroscopic water
5. *Kharif* crops
6. Puddling
7. Threshing

Q3. Write in brief: (Any three)

10 X 3 = [30]

1. What is tillage and tilth? Discuss about different types of tillage.
2. What is seed? Discuss about different classes/types of seed.
3. What is weed? Classify weeds based on their life cycle/ ontogeny and also based on cotyledons.
4. What is irrigation? Discuss about different irrigation methods.