



KERALA AGRICULTURAL UNIVERSITY  
B.Tech. (Agrl. Engg.) 2021 Admission  
I Semester Final Examination- May 2022

Sacs.1105

Principles of Agronomy (2+0)

Marks:50  
Time: 2 hours

- I**            **Fill in the blanks** (10x1=10)
1. The term Agronomy is derived from Greek word .....and .....
  2. Jetro Tull is known as father of .....
  3. Direct sowing of seed without any ploughing is known as.....
  4. Single super phosphate contains..... % phosphorus.
  5. IIFSR stands for.....
- Choose the correct answer**
6. Indian Institute of soil science is located at .....
    - (a) Nagpur
    - (b) Kanpur
    - (c) Bhopal
    - (d) Lucknow
  7. NDRI is situated at
    - (a) Punjab
    - (b) Karnal
    - (c) Hisar
    - (d) Bareilly
  8. Separating grain from chaff is known as .....
    - (a) Threshing
    - (b) Harvesting
    - (c) Winnowing
    - (d) Drying
  9. The nitrogen content present in Urea is
    - (a) 18%
    - (b) 35%
    - (c) 46%
    - (d) 48%
- Define**
10. Field capacity of Soil
- II**            **Write short notes on ANY FIVE of the following** (5x2=10)
1. Write the Definition of Agronomy.
  2. Describe the classification of crops based on season.
  3. What are the objectives of Tillage?
  4. Integrated Nutrient Management
  5. Define Manures.
  6. Zero Tillage
  7. Biological method of weeds control
- III**            **Answer ANY FIVE of the following** (5x4=20)
1. Write the scope of Agronomy.



2. What do you mean by Bio-fertilizers and explain its types and features?
3. Define the term Irrigation and write Importance of water to plants.
4. Influence of weather parameters on crop production
5. Describe the principles of weed control in brief.
6. What do you mean by Precision farming?
7. The definition of Cropping System and explain its classification.

**IV**

**Write an essay on ANY ONE of the following**

**(1x10=10)**

1. What do mean by tillage and describe the modern concept of tillage.
2. Define the Organic farming and write its concept and the principles.

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