

Roll No.

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Total No. of Pages : 02

Total No. of Questions : 09

B.Sc.(Hons)(Agriculture)(2019 Batch) (Sem.-1)

FUNDAMENTALS OF AGRONOMY

Subject Code : BSAG-105-19

M.Code : 76928

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

SECTION-A**1. Write briefly :**

- a. Seed bed
- b. Physiological maturity
- c. Agronomy
- d. Intercropping
- e. Crop weed competition
- f. Field capacity
- g. Plant ideotype
- h. Allelopathy
- i. Crop nutrition
- j. Available water

SECTION-B

2. Write the scope of Agronomy *w.r.t.* present day agriculture.
3. Differentiate crop density and geometry by citing suitable examples.
4. Describe adaptation and distribution of crops with suitable examples.
5. Write a detailed note on physiological maturity of crops with suitable examples.
6. Differentiate tillage and tilth. Give characteristics of good seed bed.

SECTION-C

7.
 - a. Define green manuring. Write down important characteristics of a good green manuring crop.
 - b. Write the name of two green manuring crops. How soil fertility can be maintained.
8.
 - a. Discuss soil-plant-water relationships, in detail.
 - b. Discuss criteria of irrigation scheduling.
9.
 - a. Define Weed. Discuss their advantages and disadvantages.
 - b. Discuss crop-weed competition and losses caused by weeds.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.