

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

B.Sc. (Agriculture) (Sem.-5)

MANURES, FERTILIZERS AND SOIL FERTILITY MANAGEMENT

Subject Code : BSAG-502-19

M.Code : 90941

Date of Examination : 05-07-22

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. Soil fertility
 - b. Neem coated urea
 - c. Plant analysis
 - d. Biuret
 - e. DAP
 - f. Plant nutrition
 - g. Critical levels
 - h. Deficiency symptoms
 - i. Starter solution
 - j. Trace elements.

SECTION-B

2. Write down properties of simple fertilizers.
3. Write down the precautions to be followed for fertilizer storage.
4. Discuss advantages and disadvantages of incorporation of application of bulky organic manures.
5. Discuss different methods of fertilizer application under rainfed and irrigated conditions.
6.
 - a) How you can prepare good manure of kitchen waste.
 - b) Discuss factors effecting nutrient availability to plants.

SECTION-C

7. Differentiate secondary and micro nutrients. Write down deficiency symptoms of nitrogen and iron and how their deficiency can be rectified. Write down the crops in which the deficiency of various micro nutrients is observed.
8.
 - a) Write down the properties of nitrogenous, phosphatic and potassic fertilizers.
 - b) Define green manuring. Write down the characteristics of good green manuring crop. Write two commonly grown green manuring crops under Punjab Conditions and procedure of sowing green manuring crop after wheat harvesting and its incorporation before transplanting of basmati rice.
9.
 - a) Discuss fertilizer amendments, in detail.
 - b) What do you know about fertilizer control order?

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.