

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

B.Voc. (Agriculture) (2018 Batch) (Sem.-2)

MANURES AND FERTILIZERS

Subject Code : BVAG-201-18

M.Code : 76173

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 short notes on :**
- (a) Biogas
 - (b) Fertigation
 - (c) Phospho-compost
 - (d) Adulteration
 - (e) Broadcasting fertilizer
 - (f) Nitrification
 - (g) Vermiwash
 - (h) Organic manures
 - (i) Top dressing
 - (j) Starter solution

SECTION-B

2. Write down the properties of strait fertilizers.
3. Write down fate and reaction of diammonium phosphate.
4. Discuss volatilization losses of nitrogen.
5. Discuss the use of amendments.
6. Discuss procedure for preparation of vermicompost.

SECTION-C

7. Differentiate micro and trace elements. Write down deficiency symptoms of zinc and manganese and how their deficiency can be rectified.
8. Differentiate chemical fertilizers and bulky organic manures. Discuss procedure of preparation of phospho-compost. Write down concentration of nutrients in phospho-compost. Discuss their advantages and disadvantages.
9. Differentiate rhizobium and consortium. Discuss different types of biofertilizers and write down their advantages and disadvantages.

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.