

**Total No. of Pages : 02**

**Total No. of Questions : 09**

**B.Sc. Agriculture (2014 & Onwards) (Sem.-4)**

## MANURES AND FERTILIZERS

**Subject Code : BSAG-407**

**M.Code : 72759**

**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. Define the followings :**

- Partial factor productivity
- Sustainable agriculture
- Night soil
- Biuret
- Demeter
- Topdressing
- Broadcasting
- Side dressing
- Starter solution
- Pressmud

### SECTION-B

2. Discuss advantages and disadvantages of farmyard manure.
3. Discuss the use of sewage and sludge in raising agriculture crops.
4. Discuss the benefits of biogas and how biogas slurry can be recycled in agriculture?
5. Discuss the precautions while storing fertilizers.
6. Write down the differences between straight and complex fertilizers with examples. How urea is manufactured?

### SECTION-C

7. Differentiate secondary and micro nutrients. Write down deficiency symptoms of iron and manganese and how their deficiency can be rectified?
8. Write down the properties of nitrogenous, phosphatic and potassic fertilizers.
9. Define fertilizer control order. Discuss the power of ADO with respect to 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.**