

Total No. of Questions : 8]

[Total No. of Printed Pages : 2

Roll No .....

**CM-5005(2)-CBGS**

**B.E. V Semester**

Examination, June 2020

**Choice Based Grading System (CBGS)**

**Fertilizer Technology**

*Time : Three Hours*

*Maximum Marks : 70*

**Note:** i) Attempt any five questions.

ii) All questions carry equal marks.

1. a) Write short note on essential elements of fertilizers.  
b) Explain types of fertilizer with examples.
2. a) Short note on different compounds of potash.  
b) Explain NPK complex fertilizers.
3. a) Define MICRO nutrients and Macronutrients?  
b) The three numbers on the fertilizer bag represent what three nutrients? Which soil characteristic is the most important in nutrient availability?
4. a) Explain the manufacture of Phosphoric acid by electric-arc furnace process.  
b) Explain the Manufacture of Triple super phosphate.

CM-5005(2)-CBGS

PTO

[2]

5. Explain how corrosion in fertilizer plants may lead to contamination of products; loss of materials, equipment, and operating time; increase in maintenance expenses and other social problems?
6.
  - a) Discuss the term 'feed stock' along with their characteristics.
  - b) Describe in detail the steam Naphtha Reforming?
7. Define and explain NPK fertilizer along with their advantages and disadvantages?

OR

Discuss in detail about the characteristics of wastewater generated in the production of mixed fertilizer.

8. Write a short note on :
  - a) Fertilizer storage and handling.
  - b) Fertilizer plant effluent treatment and disposal.

\*\*\*\*\*

CM-5005(2)-CBGS