

K.T.S.P. Mandal's
Hutatma Rajguru Mahavidyalaya, Rajgurunagar

Internal Examination

Class: T. Y. B. Sc. SEM.: 6th

Subject: Chemistry

Name of Paper: Chemistry of Soils and Agrochemicals Paper No.: CH-610A

Q.1 Answer the following

- i. Define Soil.
- ii. What is agricultural chemistry?
- iii. Define Soil Testing.
- iv. Define soil texture?

Q.2 Answer the following

- A. What is alkaline soil? Explain its formation and reclamation along with effect on plant growth.
- B. Give an account of soil composition.
- C. Define particle density and bulk density. Give their importance in agriculture.
- D. Discuss the factors affecting on soil reaction.

Q.3. A. Answer the Following

- a. Why calcium chloride and gypsum are not used to reclaim acid soil?
 - b. What are the objectives of soil testing?
 - c. How acid soils are reclaimed?
- B. Explain the brief collection of soil sample from the field.

Q.4 Answer the following

- I. Explain the formation of saline and non-saline soil.
- II. Write short note on soil water.
- III. Give Physical, Chemical and Biological functions of Soils.