K.T.S.P. Mandal's

Hutatma Rajguru Mahavidyalaya,Rajgurunagar

Internal Examination

AY 2022-23

Class: T. Y. B. Sc.   SEM.: 5th

Subject: Chemistry

Name of Paper: Introduction to Medicinal Chemistry Paper No.: CH-510A

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Q.1 Answer the following

i. Define Drug solubility.

ii. Explain Induced fit theory.

iii. What is ethnopharmacology?

iv. What is medicinal chemistry?

Q.2 Answer the following

A. Explain the need for the development of new drugs.

B. Describe the classification of drug by Target system and Target molecules.

C. Explain Lipinski rule with example.

D. Explain the role of stereochemistry in SAR.

Q.3. A. Answer the Following

a. Define metabolites and antimetabolites.

b. Write a note on SARS-Cov-19.

c. Define 1. Vaccine 2. Chemotherapeutic index.

B. Describe the methods for preparation of vaccines.

Q.4 Answer the following

I. Describe the history of Drug Design and Discovery.

II. Explain the concept of SAR.

III. Explain the term Acidity/Basicity and Ionization.