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- 7 (a) Discuss briefly the following:
(i) Application of QSAR studies to pyranenamines
(ii) Cluster analysis

OR

- (b) Explain the use of following in drug development
(i) Craig's plot (ii) Taft's constant (iii) Hammett constants

- 8 (a) Outline the synthesis of 2S, 3S – Dilitiazem.
(b) Write a brief note on Haughton's tea bag procedure.

OR

- (c) Formulate the synthesis of S-omeprazole.
(d) Discuss briefly about characterization of synthetic organic libraries.
