



- c) Discuss the principle and application of Aldol Condensation. (04)
- Q-5** **Attempt all questions** (14)
- a) Discuss various methods of preparation of Diazomethane. (05)
- b) Discuss applications of Lithium aluminium hydride (05)
- c) Write the reactions of organoboranes. (04)
- Q-6** **Attempt all questions** (14)
- a) Describe several methods to synthesize benzpyrrole (05)
- b) Write the chemical reactions of benzthiophene (05)
- c) Write a note on quinolone (04)
- Q-7** **Attempt all questions** (14)
- a) Discuss various methods of synthesis of purines (05)
- b) Write the synthesis of caffeine and guanine from uric acid (05)
- c) Write a note on Adenine (04)
- Q-8** **Attempt all questions** (14)
- a) Discuss principle, mechanism and applications of claisen condensation reaction. (07)
- b) Write synthesis and chemical reactions of benzfuran (07)

