



SECTION - D

(Long essay type – **Each** carries **5** marks. Answer **2** questions out of 4.)

21. Discuss the factors influencing S_N1 and S_N2 mechanism.
22. i) Ozonolysis of alkyne
ii) What is hydroboration-oxidation of an alkyne ?
23. a) Claisen rearrangement.
b) Fries rearrangement.
24. a) Benzaldehyde undergoes Cannizzaro reaction on treatment with OH^- , but benzoin condensation when treated with CN^- . Explain why this difference occurs. Clearly indicate the role of CN^- in benzoin condensation.
b) Write the mechanism of aldol condensation. (2×5=10)