

Any 5 Qns

- Q1 Why electrophilic attack on naphthalene is favoured at α -position? (3)
- Q2 Write Claisen condensation with its mechanism? (3)
- Q3 Piperidine on exhaustive methylation followed by heating with AgOH gives a compound (A) which on repeating the same process gives a compound (B) C_5H_8 which isomerises into another compound C. Identify A, B, C & write the rxn involved. (3)
- Q4 Furan-2-aldehyde gives Tollen's reagent test but pyrrole-2-aldehyde does not? why? (2)
- Q5 Write the steps for synthesis of propane-1-amine:-
a) Using Gabriel phthalimide process. (3)
b) from suitable cyanide
- Q6 Short note (any ~~three~~^{two}) -
a) Skraup synthesis of quinoline.
b) Bischler-Napieralski° synthesis of Isoquinoline
c) Fischer-Indole synthesis -