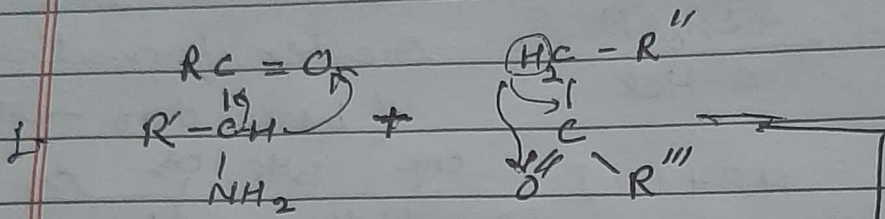
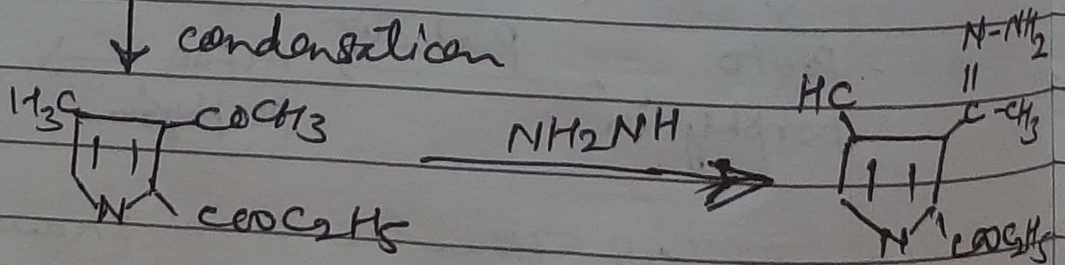
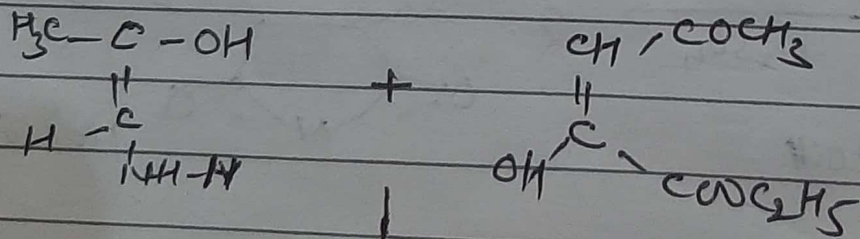
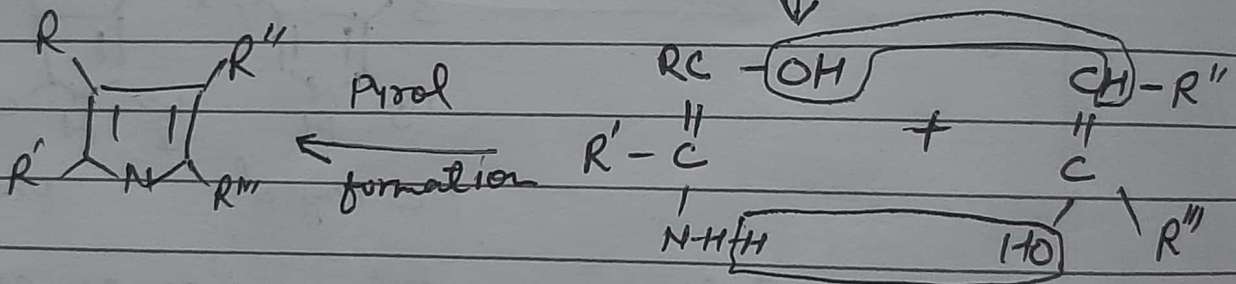


Date 28/04/2020  
Synthesis

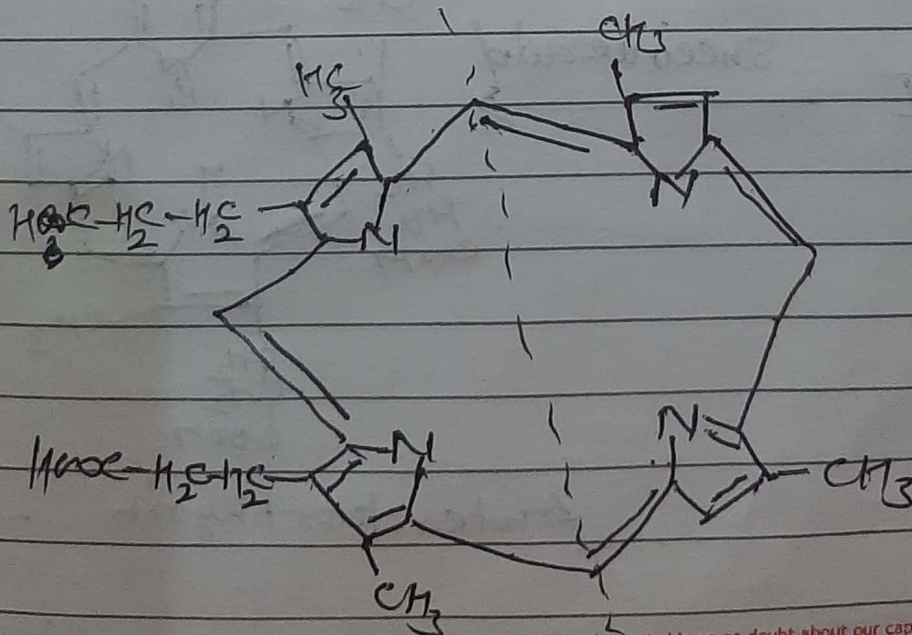
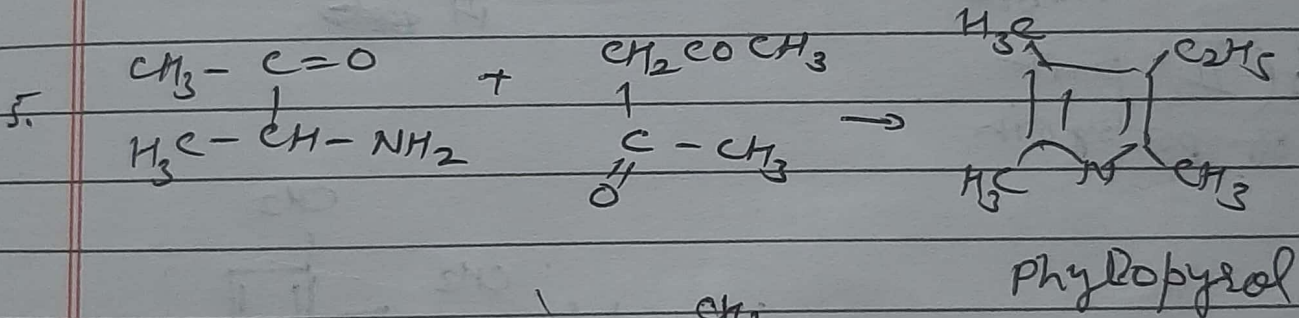
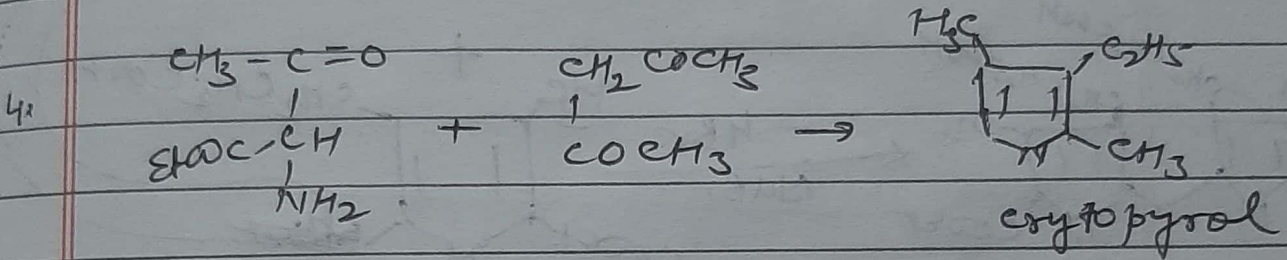
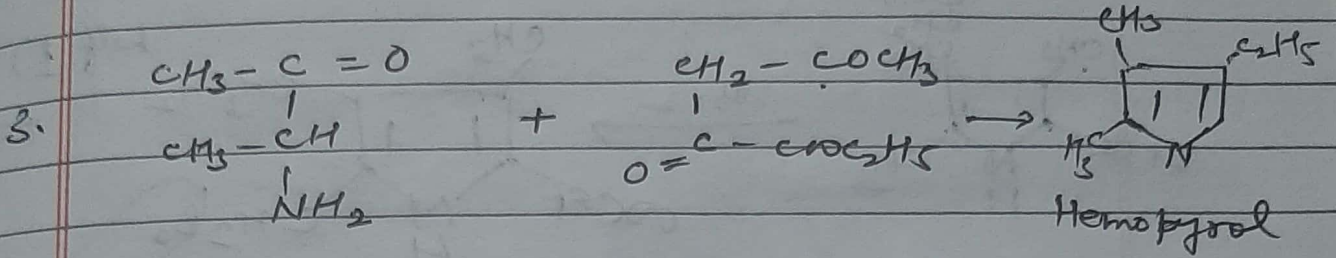
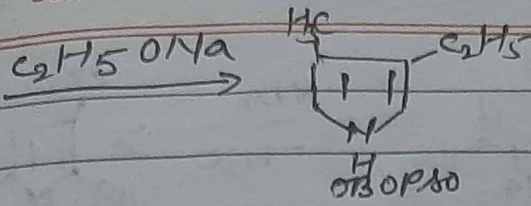
1. synthesis of pyrrole <sup>derivation</sup> ~~determination~~
2. pyrrole to dipyrrole methan formation
3. Conversion of dipyrrole methan to porphyrin
4. Hemoglobin ~~from~~ <sup>from</sup> porphyrin.



Knorr pyrrole synthesis -



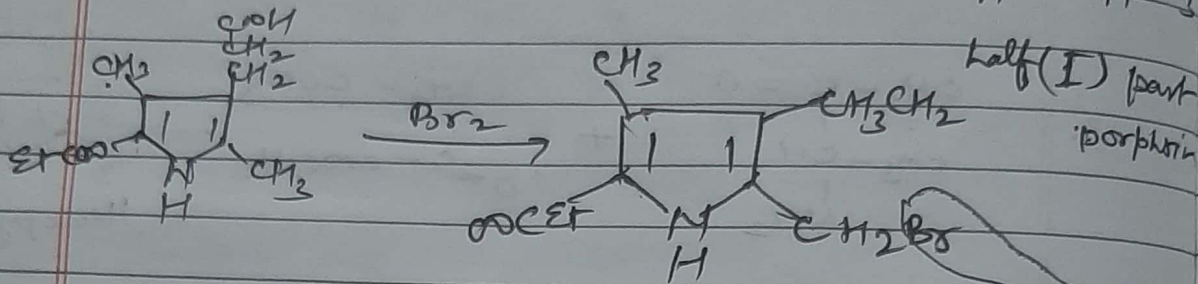
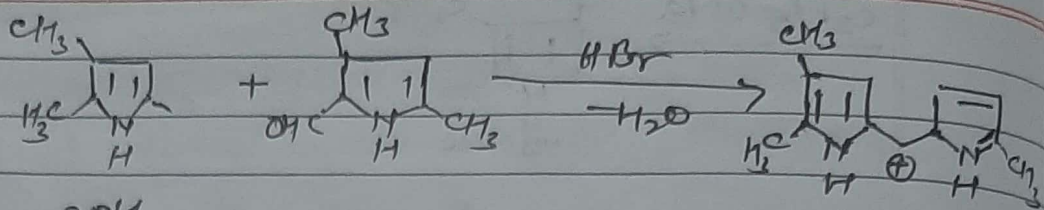
"I sincerely believe that Indians have the ability to compete with the best in the world." - Dhirubhai Ambani



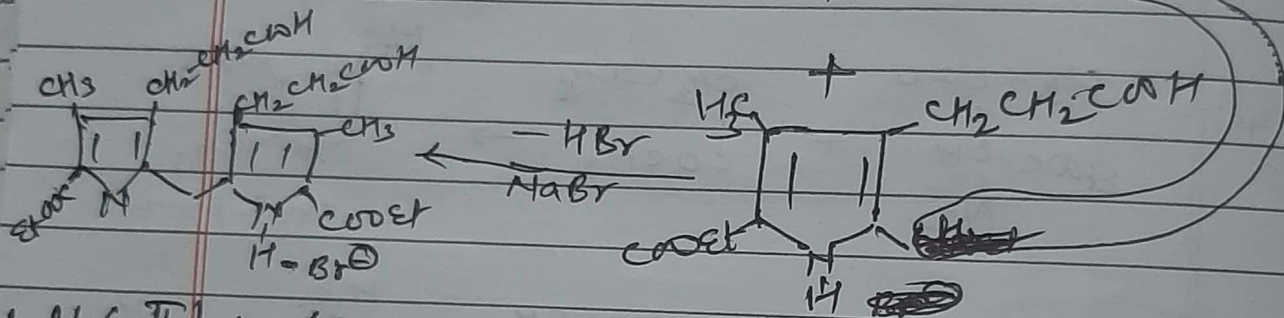
Synthesis of half part pyrrole porphyrin

"It is my absolute belief that Indians have unlimited talent. I have no doubt about our capabilities." - Narendra Modi

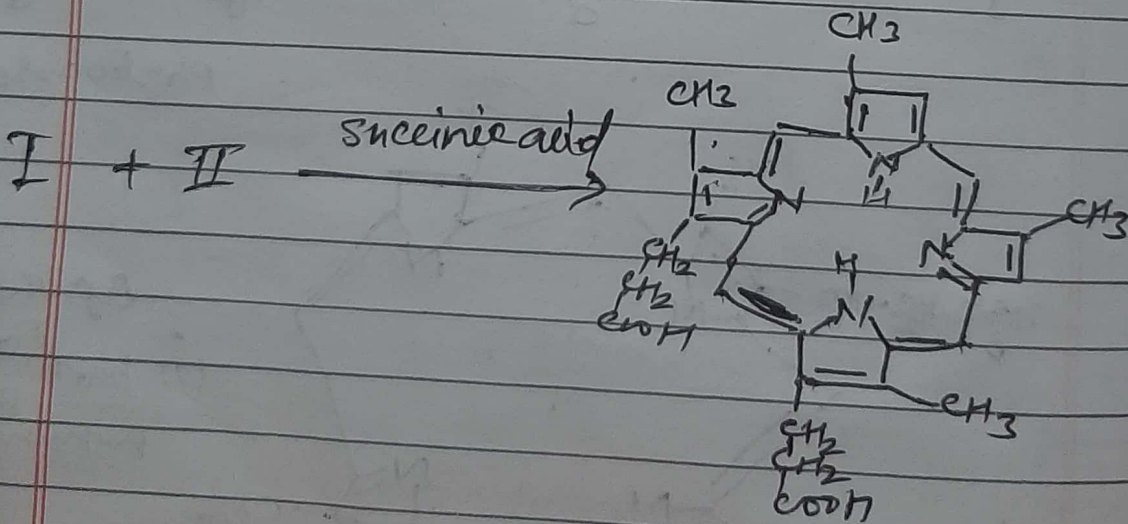
then synthesis of half part



half (I) part of porphyrin



half (II) part of porphyrin



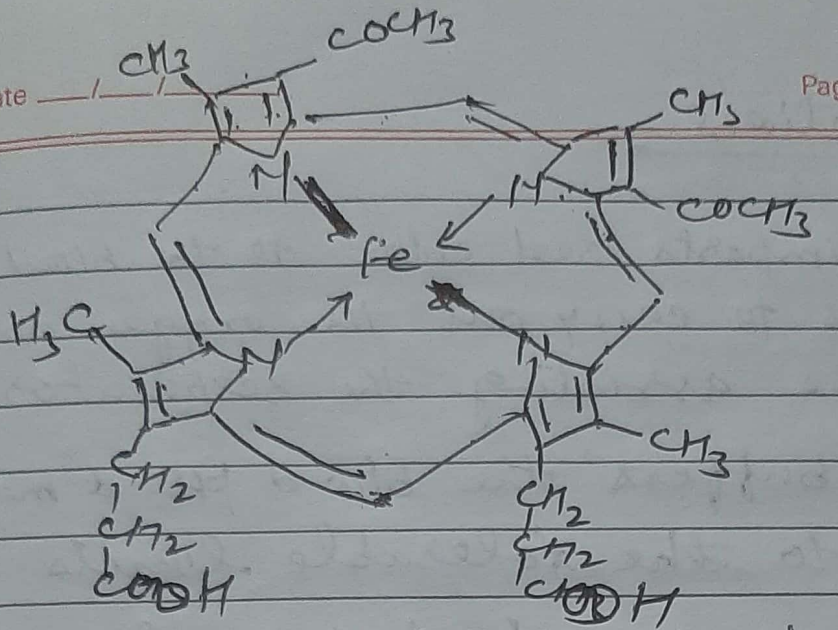
Outeroporphyrin

Fe, NaCl

Fe<sub>2</sub>O<sub>3</sub>

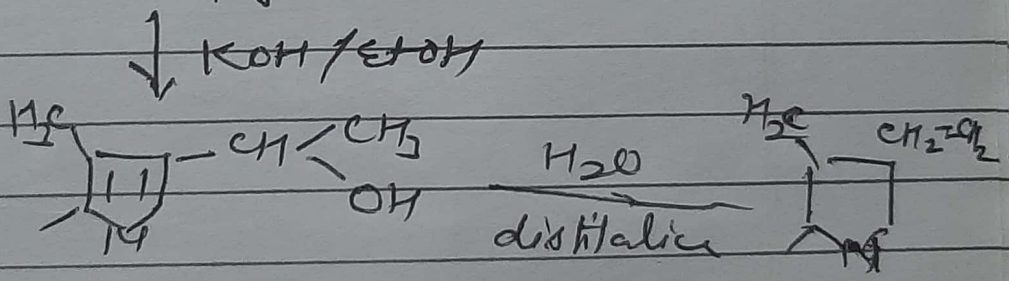
(Acetylation)

"I sincerely believe that Indians have the ability to compete with the best in the world." - Dr. B.R. Ambedkar



Diacetyl dutepro hemin

↓ HBV  
 → Renamed Diacetyl dutepro  
 protopyrin



↓  
Hemoglobin



Date \_\_\_\_\_

functions -

1. It imparts red color to the blood.
  2. Helps to carry out the oxygen and other gases assisting the respiratory system.
  3. It buffers the blood pH & maintains it to the tolerable limits.
  4. Source of physiological active catabolites.
  5. Genetic resistance to malaria etc.
-