General Concepts of Hybridisation

Degree-I (Sub.) , 21/12/2020

Chapter-1 , Group-C , Session 2020-2023

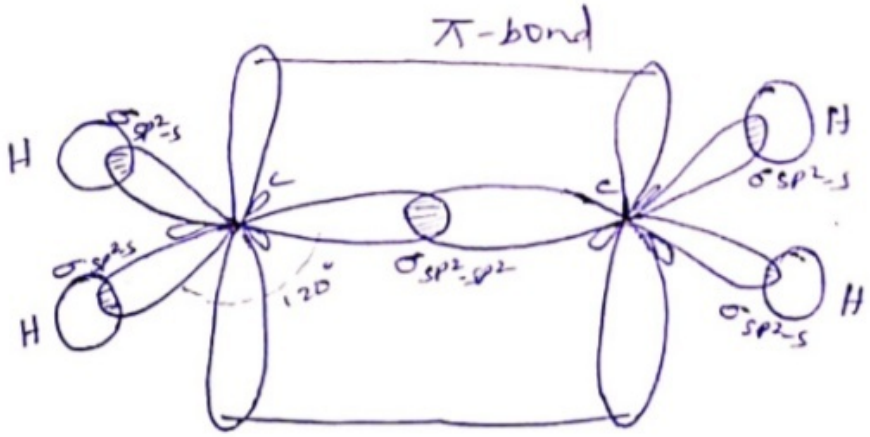
Lecture-10 (Chapter Completed)

Shape and Structure of Simple

Organic Compounds Continued..

Structure of Ethene molecule

C_2H_4 $\qquad$ $H_2\overset{sp^2}{C} = \overset{sp^2}{C}H_2$



Structure of Ethyne molecule

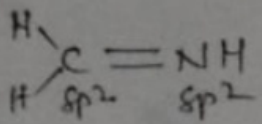
C_2H_2 $\qquad$ $H - \overset{sp}{C} \equiv \overset{sp}{C} - H$

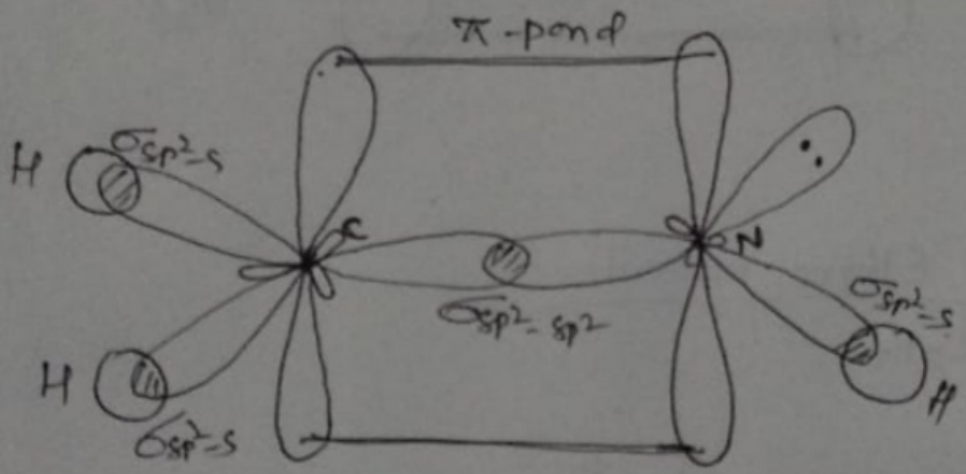
Hybridisation of Nitrogen 2.

Like Carbon,the nitrogen atom also undergoes sp3 sp2 and so hybridisation.

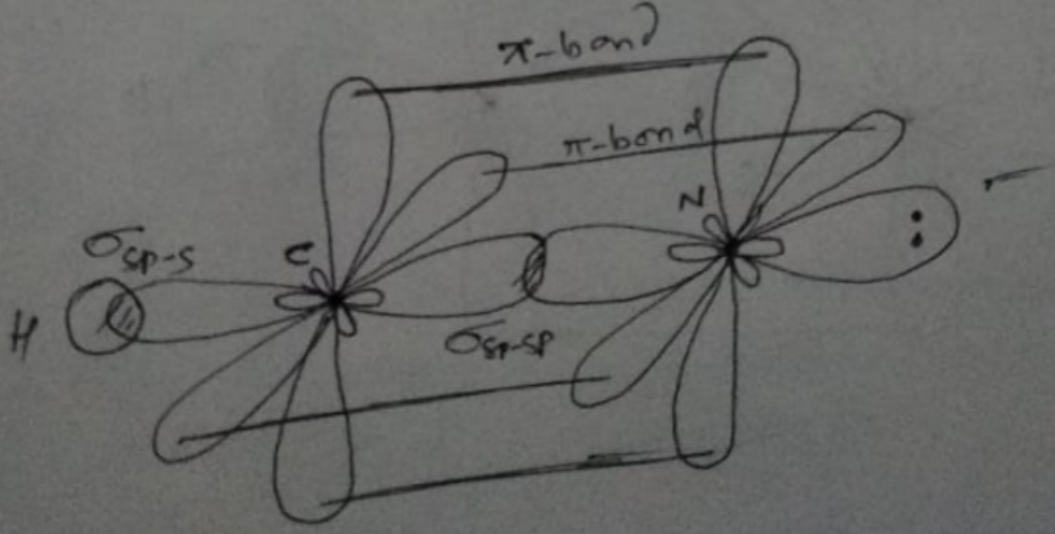
Formation of sp3 Hybrid orbital

structure of H2C=NH



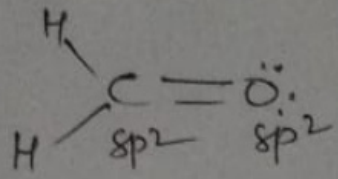


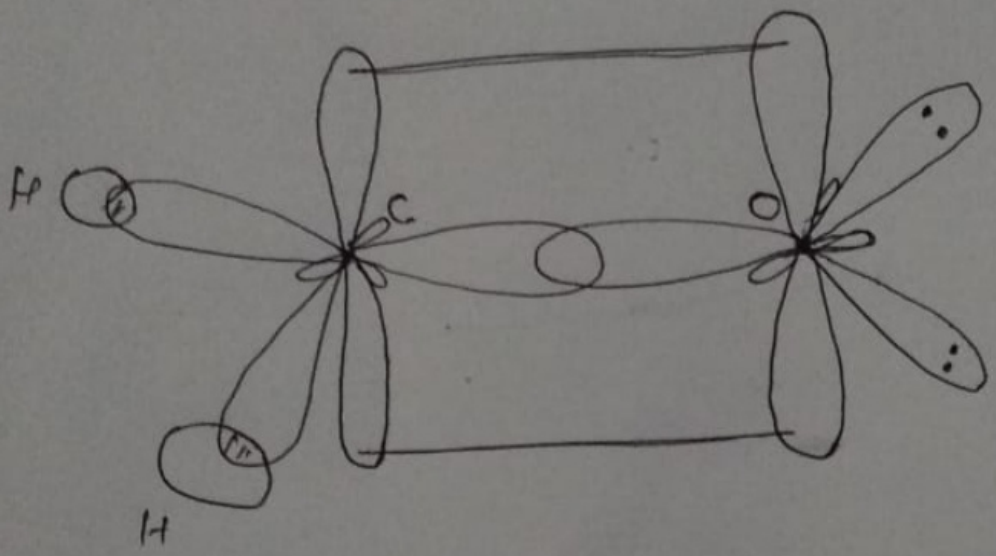
structure of $H-\overset{sp}{C}\equiv\overset{sp}{N}$



Hybridisation of Oxygen 3.

Structure of Carbonyl group





Chapter Completed

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By-Dr.Rinky

21/12/2020