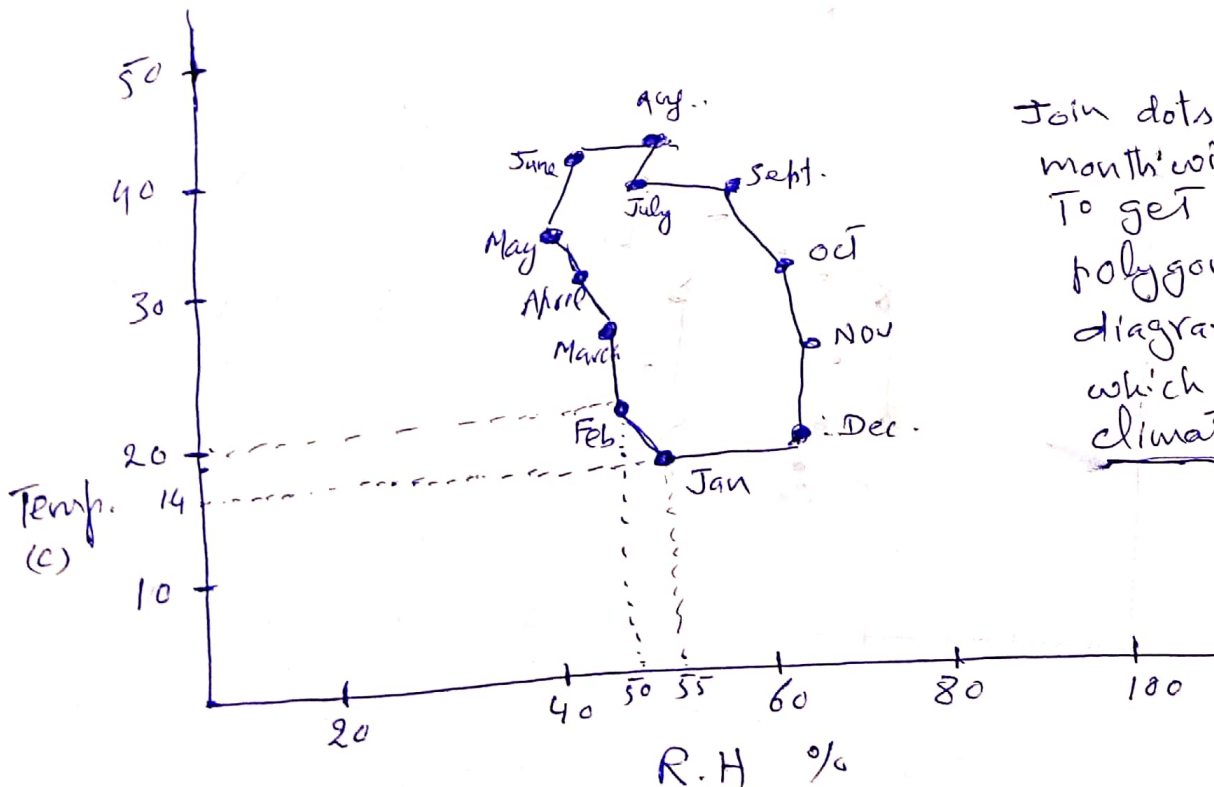


Forecasting by Prediction

a) = use of climatograph.
 ① = Preparation of climatograph.

It is a graph which is made from means of Temp. & R.H. recorded for 12 months to get a polygonal diagram

Month	Temp. (C)	R.H. (%)
Jan	14	55%
Feb	20	50%
March	22	45%
April	27	40%
May	32	40%
June	38	45%
July	35	52%
Aug.	34	50%
Sept.		60%
Oct.		
Nov.		
Dec.	10	

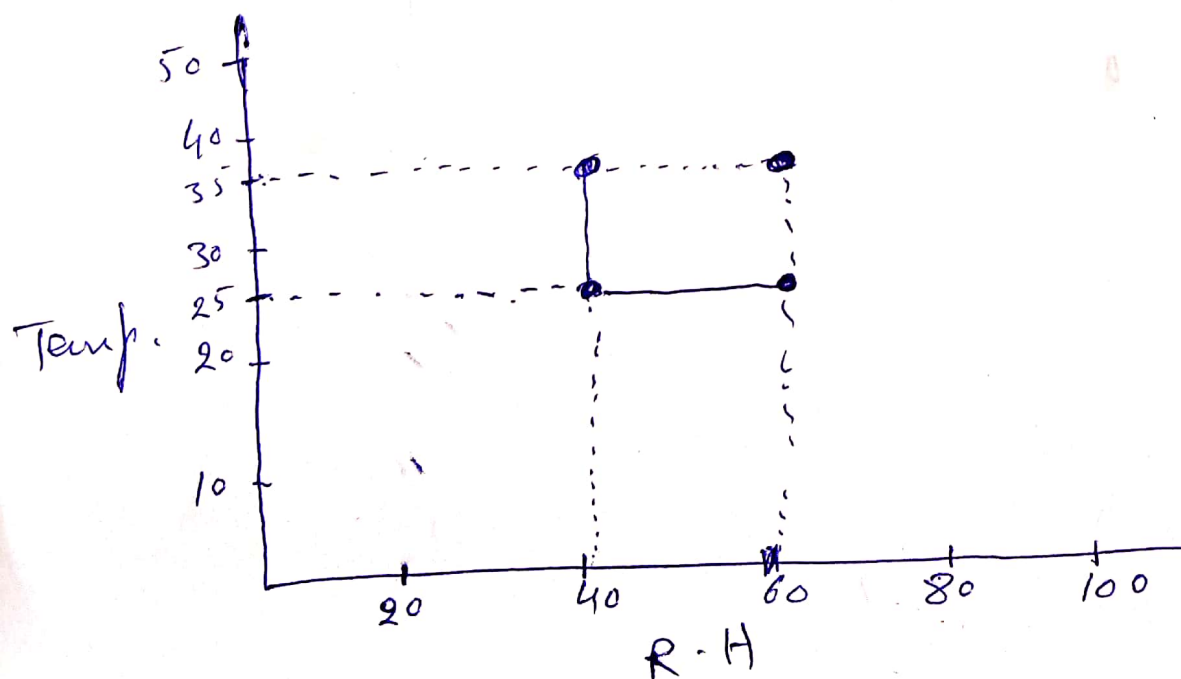


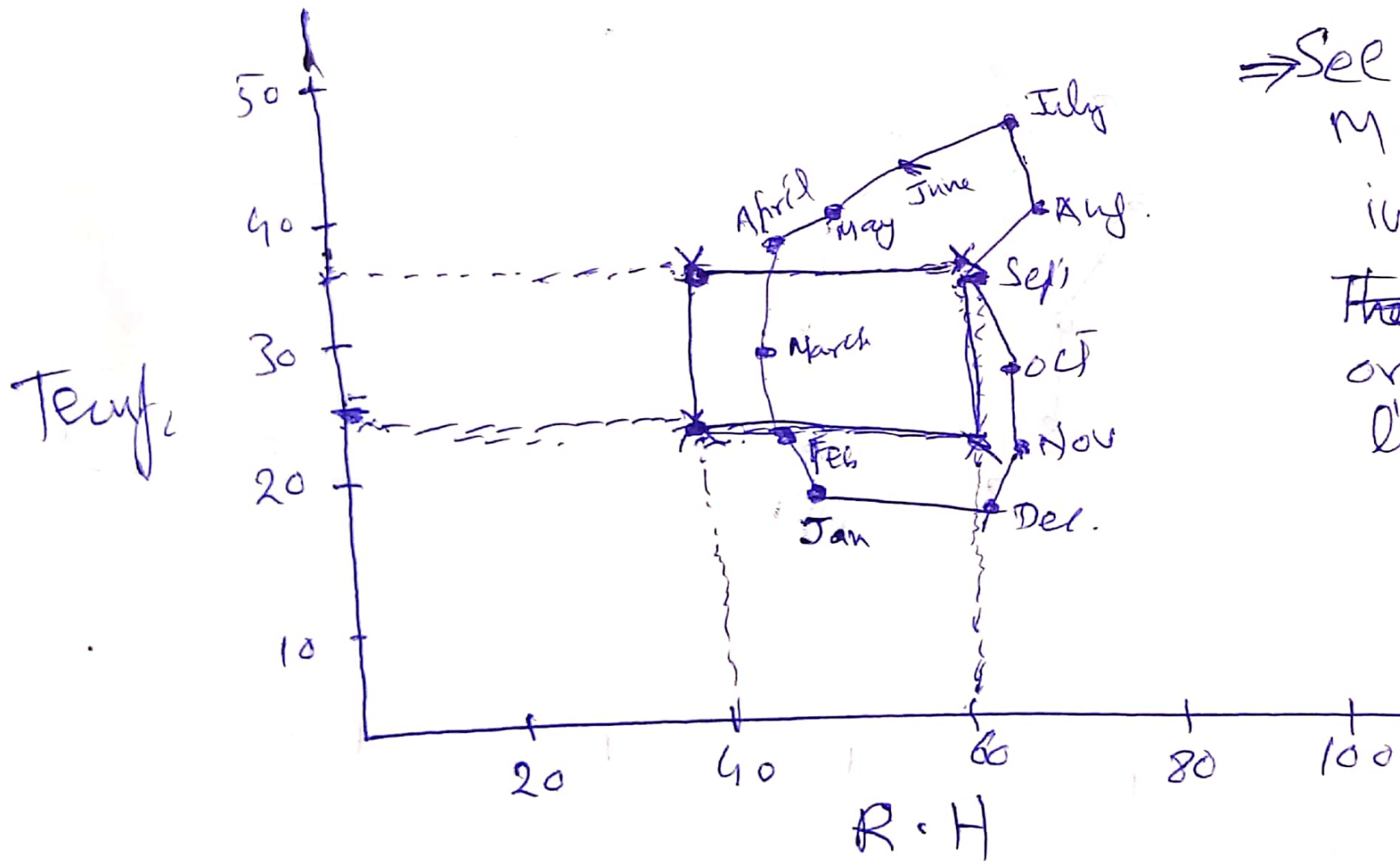
Join dots month'wise To get polygonal diagram which is called climatograph.

② = Determination of optimum Temp ($^{\circ}$) $\rightarrow$
R.H (%) of the relevant insect pest
Suppose we want to forecast Gurdaspur
borer of sugarcane.

Opt. Temp for Gurdaspur borer = $25 - 35^{\circ}$
opt. R.H. " " " = $40 - 60\%$

Now Prepare a box on the climatogram
with values of opt. temp. $\rightarrow$ opt. R.H.





⇒ See which months fall into the box or touches the line of box

Example Prepare a climatograph out of the mean temp. & humidity for a particular locality & Predict the establishment, multiplication of a particular pest. Data are as follow.

Month	Mean Temp. (°C)	Mean R.H. (%)
Jan	12.3	70.3
Feb	13.6	68.7
March	18.8	64.8
April	26.9	40.7
May	31.9	32.0
June	31.5	50.9
July	31.7	60.7
Aug.	29.1	78.5
Sep.	27.5	75.2
Oct	25.3	60.9
Nov.	17.6	62.0
Dec.	13.4	59.4

opt. Temp
= 25-35 °C
opt. RH
= 40-60 %