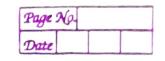
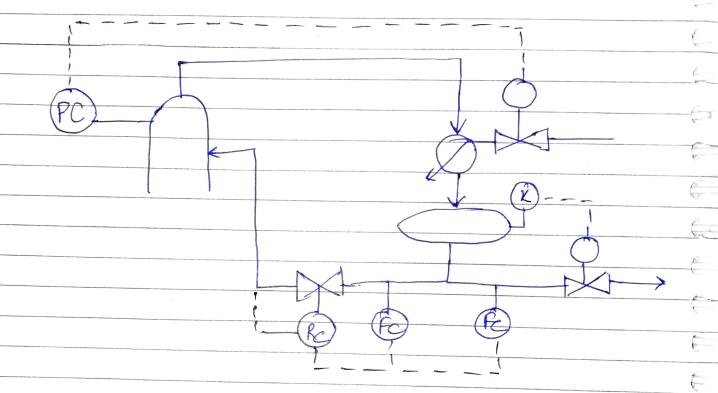
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Date 18 8 20 Process Dynamics and Control 2018UC3127 UMANG Assignment De Write and explain in brief of three different control configurations for the distillate composition control for simple distillation colourn. REFLUX RATE - The reflux rate is adjusted to control the composition of tops product. As the amount of reflex is changed so the temperature profile in the colourner changes and hence the composition.



REFLUX RATIO - Mben designing a distillation column, it is unally the reflux ratio

This can be kept constant throughout the operation by using two flowe indicators and a rabio controller.



DISTILLATE RATE - It can be shown that for a furity colourn, the composition of the distillated is sensitive to the distillate flow but insunsitive to the reflex rates.

Therefore for high purity coloumn the control scheme outlined below is used.

