

Question Number : 1 Question Id : 9003002161 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A  
Think Time : N.A Minimum Instruction Time : 0

10000 Kg of an equimolar mixture of benzene and toluene is fractionated to yield a distillate containing 97.5 % (by wt) of benzene and a residue with 97.5 % (by wt) of toluene. What is the mass of benzene in the residue ?

Options :

1. ✖ 114.0 Kg
2. ✖ 125.0 Kg
3. ✖ 4497.78 Kg
4. ✔ 95.5 Kg

Question Number : 2 Question Id : 9003002162 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A  
Think Time : N.A Minimum Instruction Time : 0

It is noticed that a weighing machine gives a reading, always 0.5 less than the actual value, over its entire span. What is this called?

Options :

1. ✖ Sensitivity
2. ✔ Zero drift

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3. ✖ Constant error
4. ✖ Poor reproducibility

Question Number : 3 Question Id : 9003002163 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A  
Think Time : N.A Minimum Instruction Time : 0

Remedial measure for flooding in a plate column is

Options :

1. ✖ Increasing the liquid flow rate
2. ✖ Lowering of gas pressure
3. ✖ Increasing the gas flow rate
4. ✔ Shut Down and Restart after cleaning

Question Number : 4 Question Id : 9003002164 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A  
Think Time : N.A Minimum Instruction Time : 0

Which one of the following is law of mobile equilibrium, as the temperature rises

Options :

1. ✖ The rate also increases
2. ✖ The change accompanied by heat liberation is promoted
3. ✔ The change accompanied by heat