King Saud University

College of pharmacy

Lab exam PHC 213

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| Name : ID : |

Put (T) or (F) : Q1-

1-beer's low stating that the quantity of light absorbed by a substance is directly proportional to its concentration ( )

2-The light source used in UV spectrophotometer is tungsten lamp ( )

Q2- complete the following :

1- \_\_\_\_\_\_\_\_\_ Cell used in UV spectrophotometer while in visible spectrophotometer used \_\_\_\_\_\_\_\_ cell .

2-In HPLC , the pump can deliver a constant mobile phase composition called \_\_\_\_\_\_\_\_\_\_ .

Q3\_ calculate the resolution and selectivity () factor of the following :

|  |  |  |
| --- | --- | --- |
| W | tR |  |
| ----- | 0.34 | Mobile phase |
| 0.16 | 1.67 | A |
| 0.14 | 1.98 | B |