**Short questions for complex examination (pharmacists)**

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|  | **Please classify/list ...** |
| 1 | the chromatographic methods according to the used mobile phase |
| 2 | the chromatographic methods according to the applied separation mechanism |
| 3 | the chromatographic methods according to their implementation |
| 4 | atomic spectrometric methods |
| 5 | spectrometric methods |
| 6 | ion selective electrodes |
|  |  |
|  | **Please write the equation/formula ...**  |
| 7 | standard deviation |
| 8 | error  |
| 9 | Lambert-Beer's law |
| 10 | absorbance |
| 11 | transmittance |
| 12 | Daniell-cell with cell notation (with vertical slash) |
| 13 | Nernst equation |
| 14 | van Deemter equation |
| 15 | resolution |
| 16 | electrophoretic mobility  |
|  |  |
|  | **Please depict the schematic drawing of ...** |
| 17 | calibration with external standards |
| 18 | quantitative determination with standard addition |
| 19 | relation between transmittance and concentration |
| 20 | relation between absorbance and concentration |
| 21 | setup of the single-beam spectrophotometer |
| 22 | setup of the double-beam spectrophotometer |
| 23 | setup of the atomic absorption spectrometer |
| 24 | potentiometric cell |
| 25 | conductometric titration diagram of HCl + NaOH  |