

- Q.4 What is the Principle behind GC Separation?
- Fragmentation of analytes
 - Absorption of analytes onto a stationary phase.
 - Ionization of analytes
 - Portioning of analytes between a stationary & mobile phase
- Q.5 Which is the primary function of a UV-Spectrophotometer.
- To Measure the absorbance of Radiation by molecules in the UV range
 - To Measure the emission of Radiation by molecules in the UV range.
 - To Measure the reflection of Radiation by molecules in the UV range.
 - To Measure the scattering of Radiation by molecules in the UV range.
- Q.6 Which of the following is a component of a Gas chromatography.
- | | |
|-------------|---------------------|
| a) Column | b) Detector |
| c) Injector | d) All of the above |

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SECTION-B

Note: Objective/ Completion type questions. All questions are compulsory. (6x1=6)

- Q.7 AI stands for _____.
- Q.8 Expand FTIR.
- Q.9 Define Instrument.
- Q.10 Define Chromatography.
- Q.11 What is Detector?
- Q.12 What is transducer?

SECTION-C

Note: Short answer type questions. Attempt any eight questions out of ten questions. (8x4=32)

- Q.13 Write a short note on electro chemical Analyzer.
- Q.14 Explain the detector used in Gas chromatography.
- Q.15 Write the Principle of Ph Measurement.
- Q.16 Describe the various block of Analytical Instruments.
- Q.17 Give the brief idea about Injector.
- Q.18 Write the various applications of Liquid chromatography.
- Q.19 Write at least four uses of PH Meter.

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