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**B.Sc. (Part-III) (Semester-V) (CBCS) Examination, October - 2023****CHEMISTRY****Analytical Chemistry (Paper-XII)****Sub. Code : 79685****Day and Date : Monday 30 - 10- 2023****Total Marks : 40****Time : 10.30 a.m. to 12.30 p.m.**

- Instructions :**
- 1) All questions are compulsory.
  - 2) Figures to the right indicate full marks.
  - 3) Draw neat labeled diagrams wherever necessary.

**Q1)** Select most correct alternative among those given below and rewrite the sentence. **[8]**

- a) An eluent releases the most strongly held bands on a column at \_\_\_\_\_
- i) in between
  - ii) end
  - iii) beginning
  - iv) any way
- b) For pH determination, the quinhydrone electrode works satisfactorily at \_\_\_\_\_pH values.
- i) zero
  - ii) high
  - iii) low
  - iv) both i and ii
- c) If ultraviolet light is used in the colorimetric measurement, the vessels or other optical parts of the system must be made of \_\_\_\_\_
- i) quartz
  - ii) corning glass
  - iii) borosil
  - iv) glass
- d) In good flame photometers \_\_\_\_\_detectors are used which produce an electrical signal from the radiation falling on them.
- i) photomultiplier
  - ii) photocell
  - iii) both i and ii
  - iv) photoframe

**P.T.O.**

