

This question paper contains 3 printed pages]

Roll No. 

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S. No. of Question Paper : 2098

Unique Paper Code : 32173902/42173923

GC-3

Name of the Paper : Basic Analytical Chemistry

Name of the Course : B.Sc. (Hons.) Chemistry, B.Sc. (Prog.) Life Science/  
Physical Science/ Industrial Chemistry

Semester : III

Duration : 2 Hours

Maximum Marks : 37.5

*(Write your Roll No. on the top immediately on receipt of this question paper.)*

Attempt *four* questions in all.

Question No. 1 is compulsory.

1. Attempt any *seven* of the following : 7×1.5
- (i) Analytical chemistry is a unique experimental science. Comment.
  - (ii) What do you understand by the term 'R<sub>f</sub> value' ?
  - (iii) Give the emission wavelength observed for Ca, K and Mg in flame photometry.
  - (iv) Mention *three* different methods that can be used for the visualisation of colourless spots in thin layer chromatography.
  - (v) Define 'cation exchange resins' and give a suitable example.

P.T.O.