

Printed Pages : 2



PH244

(Following Paper ID and Roll No. to be filled in your Answer Book)

**PAPER ID : 150404**

Roll No.

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**B. Pharm.**

(SEM. IV) THEORY EXAMINATION, 2014-15  
**PHARMACEUTICAL ANALYSIS - II**

Time : 3 Hours]

[Total Marks : 80

- 1 Attempt any **two** parts of the following : **(8×2=16)**
- (a) Explain the role of masking and demasking agent in complexometric titrations.
  - (b) Discuss the method to estimate salt of carboxylic acid by non-aqueous titration.
  - (c) Describe metal indicator used in complexometric titrations.
- 2 Answer any **four** parts of the following: **(4×4=16)**
- (a) Karl-Fischer Titrations
  - (b) Radioimmunoassay
  - (c) Diazotization Titrations
  - (d) Kjeldahl method of nitrogen estimation
  - (e) Alcohol estimation in galenicals

- 3** Attempt any **two** parts of the following : **(8×2=16)**
- (a) Explain the terms conductance, specific conductance, molar conductance and equivalent conductance.
  - (b) Mention various electrodes used in potentiometry.
  - (c) Explain conductometric titrations of  $\text{CH}_3\text{COOH}$  with  $\text{NaOH}$  and a mixture of  $\text{HCl}$  and acetic acid with  $\text{NaOH}$ .
- 4** Attempt any **two** parts of the following : **(8×2=16)**
- (a) What is Amperometry? Write its detection method.
  - (b) What is Polarography? Explain it.
  - (c) Write the advantages of amperometry and pharmaceutical applications of amperometry.
- 5** Attempt any **two** parts of the following : **(8×2=16)**
- (a) Write a short note on packing and charging of column in column chromatography.
  - (b) Write a short note practical requirements of TLC.
  - (c) Explain paper chromatography. What are the different methods for the preparation of chromatoplates ?
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