



(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 CH_3COOH with NaOH and a mixture of HCl and acetic acid with 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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