

Exam Date & Time: 02-Jan-2019 (09:30 AM - 12:30 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

BPharm Semester I - End-Semester Examination December 2018

PQA-BP-102 T: Pharmaceutical Analysis I

Date: 02/01/2019

Pharmaceutical Analysis-I [PQA-BP102T]

Marks: 75

Duration: 180 mins.

II Long Answers

Answer all the questions.

- 1) Assay results of content of Paracetamol in given 500 mg Crocin tablets are as follows. As an analyst, justify which method is better for routine analysis.

Trial No.	Method A	Method B
1	500.00 mg	498.80 mg
2	493.80 mg	501.90 mg
3	490.00 mg	504.00 mg
4	505.80 mg	489.80 mg
5	488.10 mg	498.90 mg
6	504.10 mg	500.10 mg

(10)

- 2) What are Iodimetry and Iodometry? Explain the conditions involved in the Iodometric determination. (10)

III Short Answers

Answer all the questions.

- 1) Explain the reaction, calculation of equivalent factor and procedure for the standardization of 0.1M HCl with Sodium carbonate as primary standard (5)
- 2) Calculate the initial pH and the pH at neutralization point for the titration of 0.1M ammonium hydroxides Vs 0.1M hydrochloric acid. (5)
- 3) What are argentometric titrations? Explain principle of Fajan's method for the estimation of sodium chloride (5)
- 4) Why HCl is avoided in titration of FeSO₄ against potassium permanganate? Explain (5)
- 5) What is the principle involved in complexometric titration? Explain the back titration in complexometric titration with an example (5)
- 6) Explain the estimation of sodium benzoate by non-aqueous titration (5)
- 7) Write the principle involved in Diazotization reaction. Why diazotization reaction is carried out in ice bath? (5)

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Exam Date & Time: 04-Jan-2019 (09:30 AM - 12:30 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

BPharm Semester-I - End Semester Examination 2018-19
 Course Code: PCE-BP 103T Course Title: Pharmaceutics-I
 Date:04/01/2019

Pharmaceutics-I [PCE-BP103T]

Marks: 75

Duration: 180 mins.

II Long Answers

Answer all the questions.

1) Define Incompatibility. Explain therapeutic incompatibility with four examples (10)

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2) Name the four main classes of semisolid dosage forms and define each of them. Explain the factors affecting skin penetration of drugs (10)

III Short Answers

Answer all the questions.

- 1) What is a prescription? Explain any two important parts of a prescription (5)
- 2) Briefly explain preparation of suppositories by cold compression method (5)
- 3) Name the different types / stages in the instability of emulsions. Write a note on 3 small scale methods of preparation of emulsions (5)
- 4) List any five advantages and disadvantages of liquid orals (5)
- 5) Define nasal drops. What are the characteristics required of vehicles used for nasal drops? Give the composition and preparation of any one nasal drop preparation (5)
- 6) Briefly discuss the development of profession of pharmacy in India (5)
- 7) Explain various approaches to overcome phase inversion in emulsions (5)

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