

BPh III sem

BP 3031

01/12/2018

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Exam Date & Time: 01-Dec-2018 (09:30 AM - 12:30 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

BPharm Semester III - End Semester Examination, December 2018
Course Code: PBT-BP303T Course Title: Pharmaceutical Microbiology (Theory)
Date: 01-12-2018

Pharmaceutical Microbiology [PBT-BP 303T]

Marks: 75

Duration: 180 mins.

II Long Answers

Answer all the questions.

1. Discuss the methods of preservation of microorganisms. Add a note of cultivation of anaerobic bacteria (10)
2. Discuss the influence of time of contact, temperature and presence of organic matter on the course of disinfection process. Enlist any other four factors influencing the activity of disinfectants, other than the above. (10)

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(PTO)

Exam Date & Time: 31-Dec-2018 (09:30 AM - 12:30 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

BPharm Semester III End Semester Examination December 2018

PCE-BP302T: Physical Pharmaceutics I (Theory)

Date:31-12-2018

Physical Pharmaceutics I [PCE-BP 302T]

Marks: 75

Duration: 180 mins.

II Long Answers

Answer all the questions.

- 1) Define and derive Nernst's distribution law. (10)
- 2) Enlist the methods for the analysis of complexes. Explain solubility methods in detail. (10)

III Short Answers

Answer all the questions.

- 1) Explain colourimetric estimation of pH determination. (5)
- 2) State and explain Freundlich adsorption isotherm. (5)
- 3) Define surface tension and explain the factors influencing surface tension. (5)
- 4) What are eutectic mixtures? Discuss briefly with an example. Write the pharmaceutical applications of eutectic mixtures. (5)
- 5) Write the notes on "dielectric constant" and "dissociation constant". (5)
- 6) Derive a buffer equation for an acid buffer with suitable example. (5)
- 7) Define aerosol. What are its uses? Give the advantages and disadvantages of this pharmaceutical dosage form. (5)

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