

Code: 9R01502

**R09**

B.Pharm III Year I Semester (R09) Supplementary Examinations November 2017

**PHARMACEUTICAL MICROBIOLOGY**

Time: 3 hours

Max. Marks: 70

Answer any FIVE questions  
All questions carry equal marks

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- 1 Write an essay on the contributions of Koch and Lister.
- 2 Write a note on the pharmaceutical significance of protozoa and algae.
- 3 Write short notes on:
  - (a) Bacterial growth curve.
  - (b) Generation time.
- 4 Write a brief note on methods of quantitative evaluation of microbial contamination.
- 5
  - (a) Describe the various types of disinfectants.
  - (b) What are the limitations of physical agents of sterilization?
- 6 Write a detailed note on "Gene regulation".
- 7 Describe the epidemiology of "diphtheria".
- 8 Outline the methods involved in assay of antibiotics.

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