

# FirstRanker.com 9224\_2012\_1 Firstranker!s choice Rajiv Gandhiwwnfivs@sokeyconf Healthw Steilenweesom First Year M.Pharm Degree Examination - May 2012

[Time: 3 Hours] [Max. Marks: 100]

## CHEMICAL AND BIOLOGICAL EVALUATION

PAPER IV

(RS 2 & RS 3)

Q.P. CODE: 9224

Your answers should be specific to the questions asked. Draw neat labeled diagrams wherever necessary. Answer all questions

## LONG ESSAY (Answer any TWO)

2 X 20 = 40 Marks

- Explain 21 CFR- Application of computer in quality control laboratory. 1.
- 2. Elaborate the SOPs for operating pharmaceutical machinery.
- 3. Discuss the planning, design and plant layout of a pharmaceutical industry.

#### SHORT ESSAY (Answer any FIVE)

5 X 10 = 50 Marks

- Compare and contrast the pyrogen testing as per I.P., B.P. and U.S.P. methods.
- What are the criteria to constitute salvaging of returned goods and reprocessing? 5.
- Explain the principles and procedure involved in the Biological assay of Rabbies and Plague 6.
- 7. How do you calibrate the analytical instrument? Write in brief about the sampling techniques.
- Write notes on development of drug information profile. 8.
- Give an account of Sterility testing methodology and how do you interpret? 9.

#### SHORT NOTES

2 X 5 = 10 Marks

- Write notes on biological assay of Chorionic Gonadotrophin.
- Write the properties of bacterial pyrogen and endotoxin.

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