

Firstranker's choice Rajiv Gandhiw Marins Property of Health Science som First Year M. Pharm Degree Examination - May 2011

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

BIOPHARMACEUTICS AND PHARMACOKINETICS

(RS 2 & RS 3)

Q.P. CODE: 9283

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 the methods of determining absorption
- 2. Explain michaelis – menten equation and estimation of K_m and V_{max}
- 3. State the significance of using compartment models for pharmacokinetic studies

SHORT ESSAY (Answer any FIVE)

5 X 10 = 50 Marks

- Write briefly on Therapeutic drug monitoring
- 5. Discuss on the dosage adjustment in renal impairment
- Describe bioequivalence and its importance
- Discuss on the factors affecting drug distribution 7.
- 8. Write briefly on conjugation reactions
- 9. Write briefly on factors affecting protein binding NNN FIRST

SHORT NOTES

2 X 5 = 10 Marks

- Hepatic clearance 10.
- 11. Loading dose

