

ajiv Gandhiwwnfivenasitevent Healthy Scirenceson

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)

- 1. 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)

- 4. Write briefly on Therapeutic drug monitoring
- 5. Discuss on the dosage adjustment in renal impairment
- 6. Describe bioequivalence and its importance
- Discuss on the factors affecting drug distribution \sim 7.
- 8. Write briefly on conjugation reactions
- not. 9. Write briefly on factors affecting protein binding

SHORT NOTES

- 10. Hepatic clearance
- 11. Loading dose

5 X 10 = 50 Marks

2 X 5 = 10 Marks

2 X 20 = 40 Marks

