

FirstRanker.com 9244_2011_1 Firstranker!s choise Rajiv Gandhiw Infivensity of Health Sciences First Year M.Pharm Degree Examination - May 2011

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

MOLECULAR BIOLOGY

PAPER IV

(RS 2 & RS 3)

Q.P. CODE: 9244

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

LONG ESSAY (Answer any TWO)

2 X 20 = 40 Marks

- Explain briefly about principles, applications and process of recombinant DNA technology
- 2. a) DNA based diagnosis of genetic diseases
 - b) Human genome project
- a) Principles and process of gene cloning 3.
 - b) Application of cloning vectors

SHORT ESSAY (Answer any FIVE)

5 X 10 = 50 Marks

- 4. Animal cell culture
- 5. Bio sensors
- Role of DNA technologyin monoclonal antibodies 6.
- Explain the organization of signal transduction 7.
- 8. Principle and applications of polymerase chain reaction
- Nuclegleic acid technology 9.

MANFILE SHORT NOTES 2 X 5 = 10 Marks

- Glycobiology
- 11. Gene expression