

www.FirstRanker.com Q.P. CODE : 9244

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

- Describe the principle and applications of rDNA technology 1.
- 2. Discuss the pharmacokinetics of Peptides
- 3. Discuss in detail the cracking of Genetic code

SHORT ESSAY (Answer any FIVE)

5 X 10 = 50 Marks

- 4. Write the factors leading to cellular aging and death
- 5. Discuss briefly the signal transduction pathways
- 6. Describe the principle of PCR. Mention any two applications
- 7. Write a note on the methods of gene transfer in rDNA technology
- 8. Give a note on the rDNA products used in Medicine
- Describe the experiments that prove DNA is the primary genetic material 9.

www.FirstRanker.com SHORT NOTES 2 X 5 = 10 Marks

- 10. Totipotency
- 11. Degeneracy of the code

