

Post graduation (M.D. - Biochemistry) Preliminary Theory Examination
Government Medical College , Bhavnagar
Paper-3 (Molecular Biology , Immunology and Cancer)

Date : 13/04/2023

Marks : 100

Q-1 Write detail notes on following. (20 Marks)

- Write detail about SARS CoV2 lifecycle , it's pathogenesis , mechanism of action of Vaccines against COVID19, diagnostic role of clinical biochemistry and mechanism of action of Drugs against COVID19

Q-2 Write detail notes on following. (20 Marks)

- Type and effect of the mutation – explain each with example

Q-3 Write short notes on following. (20 Marks)

1. Transcription cycle
2. Recombinant DNA technology

Q-4 Write short notes on following. (40 Marks)

1. Genomic and cDNA library
2. Real time PCR
3. Post-translational modifications in collagen
4. Lac operon
5. DNA damage – causes, types and repair mechanism .
6. Characteristic of Cytoplasmic and Mitochondrial genetic codon.
7. Restrictd Endonuclease Enzyme
8. RFLP