

Post graduation (M.D. - Biochemistry) Preliminary Theory Examination
Government Medical College , Bhavnagar

Paper-1 (General and Clinical Biochemistry - Enzymology and Biostatistics)

Date : 11/04/2023

Marks : 100

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

- Explain physiological and hormonal during menstrual cycle.

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

- Physiological & biochemical mechanism of acid-base balance. Explain each type of acid-base disorder with example of alteration in biochemical parameter with anion gap.

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

1. Biochemical events occurring during skeletal muscle contraction.
2. Explain any five different mechanism of chemotherapeutic drug.

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

1. eLearning teaching learning and assessment method.
2. Urinary analysis and it's interpretation for chemical component.
3. Potentiometry using Ion selective electrodes for Na⁺ and K⁺
4. EPA and DHA – biochemical basis of their role in health
5. Mechanism of enzymes action.
6. Significant of amino acids.
7. Technic, advantage and disadvantage of Problem based learning
8. Protein primary structural- functional relationship