

PERIODONTOLOGY

**Paper-I: Applied Basic Sciences: Applied Anatomy,
Physiology, and Biochemistry, Pathology, Microbiology,
Pharmacology, Research Methodology and Biostatistics.**

(Revised Scheme-5)

Q.P. CODE: 6055

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

Answer All The Questions

10 X 10 = 100 Marks

1. Classify NSAIDS. Write briefly about the mechanisms of action, therapeutic uses, adverse effects and dental considerations of NSAIDS.
2. Classify local anaesthetic agents. Elaborate on the composition, mechanism of action and complications associated with Local Anesthetics.
3. Discuss in detail the course, branches, distribution and applied anatomy of trigeminal nerve.
4. Calcium and phosphate metabolism.
5. Recent advances in sterilization and disinfection.
6. Role of Aggregatibacter actinomycetemcomitans and its virulence factors in causing periodontitis.
7. HIV infection and its periodontal considerations.
8. Role of B cells in the pathogenesis of periodontal diseases.
9. Mention the sampling methods used in biomedical research and brief about the importance, requirement and formula used for the estimation of sample size.
10. Define bias and errors. Describe different types of bias in the studies. Write in detail about the methods of reducing bias in the study settings.

* * * * *