

**BHARATI VIDYAPEETH**  
**(DEEMED TO BE UNIVERSITY), PUNE, INDIA**  
**PhD                      Entrance Test – 2025**  
**SECTION-II: Periodontology - 35 Marks**

**1. Applied Anatomy and Physiology**

**2. Inflammation and repair, necrosis, degeneration, Immunity and hypersensitivity**

**3. Periodontal microbiology**

- a. Systemic bacteriology with special emphasis on oral microbiology -  
staphylococci actinomyces and other filamentous bacteria and actinobacillus actinomycetumcomitans,
- b. Herpes, Hepatitis virus, HIV virus
- c. Candidiasis
- d. Applied microbiology
- e. Diagnostic microbiology and immunology, hospital infections & management

**4. Pharmacology :Drugs relavant to Periodontal Health and Disease.**

**5. Etiopathogenesis of Periodontal diseases**

**6. Gingival Diseases**

- 1. Gingival inflammation
- 2. Gingival enlargement
- 3. Acute gingival infections
- 4. Desquamative gingivitis and oral mucous membrane diseases
- 5. Gingival diseases in the childhood

**7. Periodontal Diseases**

- 1. Periodontal pocket
- 2. Bone loss and patterns of bone destruction
- 3. Periodontal response to external forces
- 4. Masticatory system disorders
- 5. Chronic periodontitis
- 6. Aggressive periodontitis
- 7. Necrotising ulcerative periodontitis

**8. History, Examination, Diagnosis, Prognosis and Treatment Planning for                      Periodontal diseases.**

**9. Periodontal therapy – Nonsurgical.**

**10. Periodontal surgical phase**

- 1. Gingival curettage, Gingivectomy and Periodontal flap Surgery
- 2. Osseous surgery (resective and regenerative)
- 3. Furcation; Problem and its management
- 4. The periodontic - endodontic continuum
- 5. Perio-esthetics
- 6. Recent advances in surgical techniques including Lasers.

- 11. Future directions in periodontal diagnosis and therapy.**
- 12. Supportive periodontal treatment**
- 13. Oral Implantology with special emphasis on plaque control measures**
- 14. Diagnosis and Treatment of Peri-Implant Complications**

### **REFERENCE BOOKS:**

1. Clinical Periodontology and Implant Dentistry: Jan Lindhe:3rd edition
2. Carranza's Clinical Periodontology: Carranza: 11th edition
3. Periodontal Medicine Surgery & Implants: Rose L.F.
4. Advances in Periodontics: Wilson T.G
5. Contemporary Implant Dentistry: Carl Misch: 4<sup>th</sup> edition
6. Practical Osseous Surgery in Periodontics and Implant Dentistry: Dibart Serqe