



# TEERTHANKERMAHAVEERUNIVERSITY

(Established under Govt. of U.P. Act No.30,2008)

Delhi Road, Moradabad (U.P.)

## Ph.D. PROGRAMME

### SYLLABUS FOR DISCIPLINE-SPECIFIC COURSE

#### PERIODONTOLOGY

Course Code: PDS240123	PERIODONTOLOGY	L	T	P	C
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<b>Objective:</b>	Stepwise understanding and learning of the subject				
<b>Course Outcomes:</b>					
<b>CO 1:</b>	To understand the role of various factors in causing Periodontal disease				
<b>CO 2:</b>	To learn about the pathophysiology and signs symptoms of periodontal disease				
<b>CO 3:</b>	To learn to formulate a treatment plan for specific diseases				
<b>CO 4:</b>	To develop knowledge and skills for the implementation of treatment needs.				
<b>CO 5:</b>	To learn about the advanced periodontal treatments				
<b>Course Content:</b>					
<b>Unit 1:</b>	<b>ETIOPATHOGENESIS:</b> Defense mechanisms of gingival Periodontal microbiology Pathogenesis of plaque associated periodontal diseases Dental calculus Influence of systemic diseases and disorders of the periodontium Stress and periodontal diseases Occlusion and periodontal diseases Periodontal medicine				
<b>Unit 2:</b>	<b>PERIODONTAL DISEASES:</b> Periodontal pocket Bone loss and patterns of bone destruction Periodontal response to external forces Masticatory system disorders Chronic periodontitis Aggressive periodontitis Necrotising ulcerative periodontitis Interdisciplinary approaches Orthodontic Endodontic Periodontic considerations in periodontal therapy				
<b>Unit 3:</b>	<b>REATMENT OF PERIODONTAL DISEASES:</b>				

	<p><b>(A) History, examination, diagnosis, prognosis and treatment planning:</b></p> <p>Clinical diagnosis  Radiographic and other aids in the diagnosis of periodontal diseases  Advanced diagnostic techniques  Risk assessment  Determination of prognosis  Treatment plan  Rationale for periodontal treatment  General principles of anti-infective therapy with special emphasis on infection control in periodontal practice  Halitosis and its treatment  Bruxism and its treatment</p>
<b>Unit 4:</b>	<p><b>(B) Periodontal therapy:</b></p> <p>Preparation of tooth surface  Plaque control  Role of Orthodontics as an Adjunct to periodontal Therapy  Management of dentinal hypersensitivity</p> <p><b>(C) Periodontal surgical phase – special emphasis on drug prescription:</b></p> <p>Osseous surgery (respective and regenerative)  Furcation; Problem and its management  The periodontic–endodontic continuum  Periodontic plastic and esthetic surgery  Recent advances in surgical techniques</p>
<b>Unit 5:</b>	<p><b>(D) Future directions and controversial questions in periodontal therapy:</b></p> <p>Research directions in regenerative therapy  Recent advances on periodontal Microsurgery</p>
<b>Textbooks:</b>	1. Clinical periodontology by Newman Takei Klokkevol Carranza
<b>Reference Books:</b>	2. Clinical periodontology and Implant dentistry by Jan lindhe Niklas P. Lang Thorkild karring Vol 1 & 2