

**B.D.S FINAL YEAR**  
**SUBJECT: PERIODONTOLOGY**

Teaching Scheme				Credits	Examination Scheme				
Lect	Prac(P)	Clinical(C)	Total		External		Sessional		Total
					Theory	Pract	Theory	Pract	
88	-	370	458		1	1	3	3	8

**A. COURSE OVERVIEW**

The student shall acquire the skill to perform dental scaling, diagnostic tests of periodontal diseases; to use the instruments for periodontal therapy and maintenance of the same.

The student shall develop attitude to impart the preventive measures namely, the prevention of periodontal diseases and prevention of the progress of the disease. The student shall also develop an attitude to perform the treatment with full aseptic precautions; shall develop an attitude to prevent iatrogenic diseases; to conserve the tooth to the maximum possible time by maintaining periodontal health and to refer the patients who require specialist's care.

**B. COURSE CONTENT**

NO	TOPIC	L+C (hrs)	CLs
1	Introduction	1+1	CL1
2	Development of perio-dontal tissues	3+0	CL1
3	Defensive mechanisms in the oral cavity	3+0	CL1+2
4	Age changes in periodontal structures and their significance in Geriatric dentistry	3+0	CL1
5	Classification of periodontal diseases	3+5	CL1+3
6	Gingival diseases	8+12	CL1+3
7	Epidemiology of periodontal diseases	2+15	CL1+2
8	Extension of inflammation from gingiva	3+12	CL1+2+3
9	Pocket	3+18	CL1+2+3
10	Etiology	5+14	CL1+2
11	Risk factors	3+11	CL1+2
12	Host response	4+6	CL1+2
13	Periodontitis	6+20	CL1+2+3
14	Diagnosis	3+20	CL1+2+3
15	Prognosis	1+20	CL1+2+3
16	Treatment plan	2+25	CL1+2+3+4
17	Periodontal therapy	3+28	CL1+5
18	Pocket eradication procedures	4+29	CL1+5
19	Osseous Surgery	5+26	CL1+5+6
20	Mucogingival surgery & Periodontal plastic surgeries	5+24	CL1+6
21	Splints	1+5	CL1+5
22	Hypersensitivity	1+8	CL1+5
23	Implants	3+15	CL1+6
24	Maintenance phase (SPT)	2+9	CL1+5
25	Pharmaco-therapy	2+4	CL1+5
26	Periodontal management of medically compromised patients	2+6	CL1+5
27	Inter-disciplinary care	3+15	CL1+4+5
28	Systemic effects of periodontal diseases in brief	3+12	CL1+2+3+4
29	Infection control protocol	1+10	CL1
30	Ethics	1+0	CL1

### C. TEXT BOOKS

1. Newman's and Carranza; Clinical Periodontology, 13th edition, Saunders publication, 2018.

### D. REFERENCE BOOKS

1. Torquil MacPhee; Essentials of Periodontology and Periodontics, 2nd edition, Blackwell Science Ltd., 1975.
2. Cohen; Contemporary Periodontics, 6th edition, Mosby, 1990.
3. Goldman; Periodontal therapy, 6th edition, Mosby, 1980.
4. Orban; Orbans' Periodontics, 4th edition, Mosby Inc., 1972.
5. W.H.O; Oral Health Survey , 5th edition, World Health Organization, 2014.
6. Young and Stiffler; Preventive Periodontics.
7. Slack; Dental Public Health : An introduction to community dentistry, 1st edition, Wright, 1974.
8. John Prichard; Advanced Periodontal Disease, 2nd edition, W.B Saunders Company, 1972.
9. Forrest; Preventive Dentistry, 2nd edition, Butterworth-Heinemann Ltd., 1981.
10. Jan Lindhe; Clinical Periodontology, 7th edition, Wiley Blackwell, 2021.
11. Baer & Morris; Periodontics, 1st edition , Lippincott Williams and Wilkins, 1977.

### E. COMPETENCY LEVEL

CL Number	Skill	Statement
CL1	Knowledge	<ul style="list-style-type: none"><li>• Adequate knowledge of the development, structure and function of the teeth, mouth and jaws and associated tissues both in health and disease and their relationship and effect on general state of health and also bearing on physical and social well-being of the patient.</li></ul>
CL2	Investigations	<ul style="list-style-type: none"><li>• Competent to take intra-oral radiographs and interpret the radiographic findings and adequate knowledge about common laboratory investigations and interpretation of their results</li></ul>
CL3	Patient Care: Diagnosis	<ul style="list-style-type: none"><li>• Diagnose the patient's periodontal problem and get familiarized with concepts of Pathogenesis regeneration and osseointegration and basic surgical aspects of periodontal diseases, conditions and implantology</li></ul>
CL4	Patient Care: Treatment planning	<ul style="list-style-type: none"><li>• Ethically Integrate multiple disciplines into an individual comprehensive sequence treatment plan using diagnostic and prognostic information</li></ul>
CL5	Patient Care: Treatment	<ul style="list-style-type: none"><li>• Competent to perform thorough oral prophylaxis, subgingival scaling, root planning and minor periodontal surgical procedures.</li></ul>
CL6	Research and Innovation	<ul style="list-style-type: none"><li>• Upgradation of knowledge and skill from time to time, familiarize with new concept and equipment in periodontology.</li></ul>
CL 7	Evidence Based Learning	<ul style="list-style-type: none"><li>• Consolidate all the above mentioned major competencies acquired during the course and integrate newer evidence based knowledge in displaying expertise in the science of</li></ul>

		PERIODONTOLOGY
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**PROGRAM SPECIFIC OUTCOME (PSO)**

PSO1	DIAGNOSIS AND TREATMENT PLANNING	Students should be able to record a detailed periodontal case history, determine diagnosis, prognosis and plan treatment
PSO2	INVESTIGATIONS	Competent to take intra-oral radiographs and interpret the radiographic findings and adequate knowledge about common laboratory investigations and interpretation of their results
PSO3	TREATMENT	Student should perform scaling, root planning local drug delivery and SPT.

**F. COURSE MATRIX**

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 13	PO 14	PO 15	PS O1	PS O2	PS O3	
<b>CL1</b>	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	1	3	2	2
<b>CL2</b>	1	1	3	3	2	2	2	3	1	1	1	1	1	1	1	1	3	3	2
<b>CL3</b>	2	2	3	3	3	3	3	1	1	1	1	1	1	1	1	1	3	2	2
<b>CL4</b>	3	1	3	3	3	3	2	1	1	2	1	1	1	1	1	1	3	3	3
<b>CL5</b>	2	1	2	3	2	3	3	1	3	3	1	1	1	1	1	1	3	3	3
<b>CL6</b>	1	1	1	2	1	2	2	2	2	1	1	1	1	3	1	3	2	2	
<b>CL7</b>	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
<b>Avg</b>	<b>2.1</b>	<b>1.7</b>	<b>2.6</b>	<b>2.9</b>	<b>2.4</b>	<b>2.7</b>	<b>2.6</b>	<b>2.0</b>	<b>2.0</b>	<b>2.0</b>	<b>1.6</b>	<b>1.6</b>	<b>1.6</b>	<b>1.9</b>	<b>1.3</b>	<b>3.0</b>	<b>2.6</b>	<b>2.4</b>	