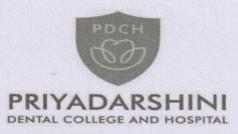
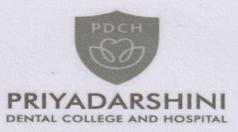
4.2 Clinical, Equipment and Laboratory Learning **Resources** 4.2.1 Teaching Hospital, equipment, clinical teaching-learning and laboratory facilities as stipulated by the respective Regulatory Bodies



## LIST OF FACILITIES AVAILABLE

#### I. FACILITIES AVAILABLE FOR PATIENT CARE:

- 1. Oral Tobacco Cessation Clinic
- 2. Trauma Centre
- 3. Dental Hospital with capacity of 260 chairs
- 4. Radiodiagnostic Facilities
  - a. Orthopantogram
  - b. Lateral Cephalogram
  - c. Radiovisuography
  - d. Intra Oral Periapical Radiograph
  - e. Computed Tomography
- 5. Special Health Care Child Clinic
- 6. Comprehensive Clinic
- 7. Mobile Dental Clinic
- 8. Free Shuttle service (Battery car) to Hospital
- 9. Minor OT
- 10. Major OT
- 11. Free Dental Camp
- 12. Pharmacy at subsidy rates
- 13. Blood Bank
- 14. 850 bedded Medical Hospital
- 15. Intensive and Critical Care unit

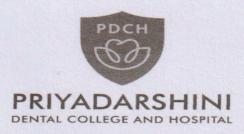


#### II. FACILITIES AVAILABLE FOR TEACHING AND LEARNING:

- 1. Post Graduate Clinics
- 2. Seminar rooms
- 3. Central Library
- 4. Minor OT
- 5. Phantom Laboratory
- 6. E-Learning Resources
- 7. Preclinical Laboratory
- 8. Dissection Laboratory
- 9. Skill Laboratory

#### III. FACILITIES AVAILABLE FOR RESEARCH:

- 1. Herbal Garden
- 2. Animal House collaboration
- 3. ICT enabled Central Library
- 4. Central Research Laboratory



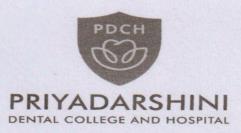
# **EQUIPMENTS**

# **DEPARTMENT: PROSTHODONTICS AND CROWN &BRIDGE**

S. No.	NAME	AVAILABILITY
1.	Electrical Dental Chairs and Units	40
2.	Articulators – semi adjustable/ adjustable with face bow	6
3.	Micromotor – (Lab Type can also be attached (fixed) to wall	2
4.	Ultrasonic scaler	2
5.	Light cures	2
6.	Hot air oven	1
7.	Autoclave	2
8.	Surveyor	2
9.	Refrigerator	1
10.	X-ray viewer	1
11.	Pneumatic, Crown bridge remover	2
12.	Needle destroyer	1
13.	Intra oral camera	1
14.	Digital SLR camera	1
15.	Computer with internet connection with attached printer and scanner	1
16.	LCD projector	1
	CLINICAL LAB FOR PROSTHETICS	
1.	Plaster dispenser	2
2.	Model trimmer with carborandum Disc	1_
3.	Model trimmer with diamond disc	1

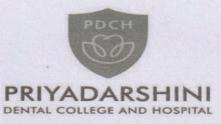
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4.	High speed lathe	2
5.	Vibrator	2
6.	Acrylizer	1
7.	Dewaxing unit	1
8.	Hydraulic press	1
9.	Mechanical press	1
10.	Vacuum mixing machine	1
11.	Micro motor lab type	2
12.	Curing pressure pot	1
13.	Pressure molding machine	1
	Chrome- Cobalt Lab Equipment	
1.	Duplicator	1
2.	Pindex system	1
3.	Burn-out furnace	1
4.	Welder	1
5.	Sandblaster	1
6.	Electro – polisher	1
7.	Model trimmer with carborandum disc	1
8.	Model trimmer with diamond disc	1
9.	Model trimmer with double disc (one Carborandum and one diamond disc)	1
10.	Casting machine, motor cast with the safety door closure, gas blow torch with regulator	1
11.	Dewaxing furnace	1
	Induction casting machine with vacuum pump, capable of casting	1

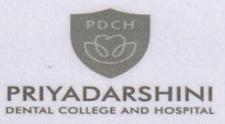




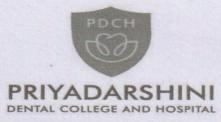
	titanium chrome cobalt precision metal	
12.	Spot welder with soldering, attachment of cable	1
13.	Steam cleaner	1
14.	Vacuum mixing machine	1
15.	Spindle grinder 24,000 ROM with vacuum suction	1
16.	Wax heater	2
17.	Wax carvers (Full PKT Set)	2
18.	Milling machine	1
19.	Stereo microscope	1
20.	Magnifying work lamp	1
21.	Heavy duty lathe with suction	1
22.	Preheating furnace	1
23.	Dry model trimmer	1
24.	Die cutting machine	1
25.	Ultrasonic cleaner	1
26.	Composite curing unit	1
	Ceramic Lab Equipment	
1.	Fully programmable porcelain furnace with vacuum pump	1
2.	Ceramic kit (instruments)	3
3.	Ceramic materials (kit)	1
4.	Ceramic polishing kit	2
	Implant Equipment	
1.	Electrical dental chair and unit	1

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2.	Physio dispenser	1
3.	Implant kit	2
4.	Implants	10
5.	Prosthetic components	10
6.	Unit mount light cure	1
7.	X-ray viewer	1
8.	Needle destroyer	1
9.	Ultrasonic cleaner capacity 3.5 lts	1
10.	Autoclave programmable for all recommended cycles	1
11.	X-ray machine with RVG	1
12.	Refrigerator	1
13.	Surgical kit/prosthetic kit	2
14.	Educating models	1
15.	Implant removing instruments	1

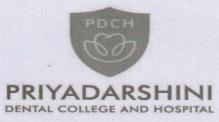


#### **DEPARTMENT: PERIODONTOLOGY**

S. No.	NAME	AVAILABILITY
1.	Dental Chairs and Units	40
2.	Auto clave (fully automatic) front loading	1
3.	Steel bin	4
4.	Airoter hand pieces	2
5.	UV chamber	1
6.	Formalin chamber	1
7.	W.H.O probe	2
8.	Nabers probe	2
9.	Williams probe	2
10.	UNC-15 probe	4
11.	Gold Man fox probe	1
12.	Pressure sensitive probe	1
13.	Marquis color coded probe	1
14.	Supra gingival scalers	2
15.	Sub gingival scaler	2
16.	Arkansas sharpening stone	1
	Surgical Instruments	
1.	Routine surgical instrument kit (Benquis periosteal elevator, periotome)	2
2.	Surgery trolleys	6
3.	X ray viewer	1
4.	Surgical cassette with sterilisation pouches	4
5.	Electro surgery unit	1

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	Special surgical instruments	
1	Kirkland's Knife	1
2	Orban's Knife	1
3.	Paquette blade handle	1
4.	Krane kaplan pocket marker	1
5.	Mc Calls universal curettes	1
6.	Gracey's curettes (No.1-18)	2
7.	Mini five curettes	1
8.	Cumine scalar	1
9.	Mallet	1
10.	Chisel	1
11.	Oschenbein chisel	1
12.	Schluger bone file	1
13.	Bone fixation screw kit	1
14.	Bone scrapper	1
15.	Bone trephines for harvesting autografts	1
16.	Bone regenerative materials	5
17.	Local drug delivery systems	1 each
18.	Root conditioning agent	2
19.	Micro needle holder	1
20.	Micro scissors	1
21.	Magnifying loop (2.5 – 3.5)	1
22.	Operating microscope	1
23.	3 <sup>rd</sup> generation digital probe	1
24.	Bone expander and bone crester	1
25.	Distraction osteogenesis kit	1
26.	Bone mill	1

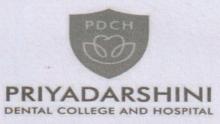
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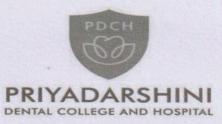


27.	Bone graft / membrane placement spoon	1
28.	Bone condenser	1
29.	Peizo-surgery unit	1
30.	Centrifuge for PRP/PRF preparation	1
31.	Soft tissue laser (8 watt)	11
32.	Osteotome	1
	Miscellaneous instruments	
1.	Composite gun with material kit	1
2.	Splinting kit with material	2
3.	Composite finishing kit	1
4.	Glass Ionomer cement	1
5.	Digital camera	1
6.	Intra Oral camera	1
7.	Ultrasonic cleaner	1
8.	Emergency kit	1
9.	Refrigerator	1
10.	X-ray viewer	2
11.	LCD projector	1
12.	Computer with internet connection with attached printer and scanner	1
13.	Implant Equipment	
14.	Electrical dental chair and unit	1
	Physio dispenser	1
15.	Implant kit	2
16.	Implants	10
17.	Implant maintenance kit (plastic instruments)	1 set
18.	Implant guide	1

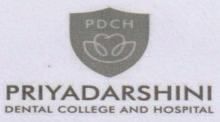
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19.	X-ray viewer	1
20.	Needle destroyer	1
21.	Ultrasonic cleaner capacity 3.5 lts	1
22.	Autoclave programmable for all recommended cycles	1
23.	RVG with x-ray machine	1
24.	Refrigerator	1
25.	Surgical kit	2
26.	Sinus lift kit	1
27.	Educating models	1
28.	Implant removing kit	1



## **DEPARTMENT: ORAL & MAXILLOFACIAL SURGERY**

S.No.	NAME	AVAILABILITY
1.	Dental Chairs and Units	36
2.	Autoclave	2
3.	Fumigators	1
4.	Oscillating saw	1
5.	Surgical instruments	
	General surgery kit including	2
	tracheotomy kit	
	Minor oral surgery kit	5
	Osteotomy kit	1
	Cleft surgery kit	1
	Bone grafting kit	1
	Emergency kit	1
	Trauma set including bone	2
	plating kit	1
	Implantology kit	2
	with implants	10
6.	Distraction osteogenesis kit	1
7.	Peizo surgical unit	1
8.	Magnifying loops	1
9.	Operating microscope and Microsurgery kit	1
10.	Dermatomes	1
11.	Needle destroyer	2
12.	Ultrasonic Cleaner capacity	1
	3.5 lts	

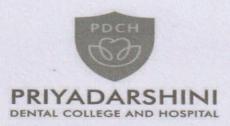
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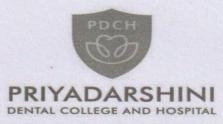
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13.	Formalin chamber	1
14.	Pulse oxymeter	1
15.	Ventilator	1
16.	Major operation theatre with all facilities	1
17.	Recovery and Intensive Care Unit with all necessary life support equipments	2 beds
18.	Fibrooptic light	1
19.	Inpatient beds	20
20.	Fiber optic laryngoscope	1
21.	Computer with internet connection with attached printer and scanner	1
22.	LCD projector	1
23.	Refrigerator	1



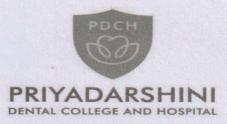
#### **DEPARTMENT: CONSERVATIVE DENTISTRY AND ENDODONTICS**

S.No.	NAME	AVAILABILITY
1.	Dental Chairs and Units	42
2.	ENDOSONIC HANDPIECES – Micro endosonic Tips, retro treatment	2
3.	Mechanised rotary instruments including hand pieces (speed and torque control) and hand instruments various systems	3
4.	Rubber dam kit	1 per chair
5.	Autoclaves for bulk instrument sterilization vacuum (Front loading)	2
6.	Autoclaves for hand piece sterilization	1
7.	Apex locators one for every two chairs	2
8.	Pulp tester	2
9.	Equipments for injectable thermoplasticized gutta percha	1
10.	Operating microscopes 3 step or 5 step magnification	1
11.	Surgical endo kits (Microsurgery)	2
12.	Set of hand instruments (specifications required)	1
13.	Sterilizer trays for autoclave	4
14.	Ultrasonic cleaner capacity 3.5 lts	1
15,	Variable Intensity polymerization equipments - VLC units	1
16.	Conventional VLC units one for every two chairs	2

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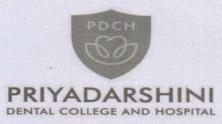


17.	Needle destroyer	2
18.	Magnifying loupes one for students and one for faculty	1
19.	LCD projector	1
20.	Composite kits with different shades and polishing kits	2
21.	Ceramic finishing kits, metal finishing kits	2
22.	Amalgam finishing kits	2
23.	RVG with x-ray machine developing kit	1
24.	Chair side micro abrasion	1
25.	Bleaching unit	1
26.	Instrument retrieval kits	1
27.	Computer with internet connection with attached printer and scanner	1
28.	Refrigerator	1
29.	Equipments for casting procedures	
30.	Equipments for ceramics including induction casting machines/ burnout preheat furnaces/ wax elimination furnaces	1
31.	Lab micro motor/ metal grinders / sand blasters/ polishing lathes/ duplicator equipment/ vacuum investment equipments	1
32.	Laser (preferably hard tissue)	1
33.	Face bow with semi adjustable articulator	1

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#### **DEPARTMENT: ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS**

S.NO	NAME	AVAILABILITY
1.	Dental Chairs and Unit	24
3.	Vacuum/pressure moulding unit	1
4.	Hydrogen soldering unit	1
5.	Lab micromotor	3
6.	Spot welders	3
7.	Model trimmer (Double disc)	2
8.	Light curing unit	2
9.	High intensity light curing unit	1
10.	Polishing lathes	2
11.	Tracing tables	3
12.	SLR digital camera	1
13.	Scanner with transparency adapter	1
14.	X-ray viewer	3
15.	LCD projector	1
16.	Autoclaves for bulk instrument Sterilization vacuum (Front loading)	1
17.	Needle destroyer	1
18.	Dry heat sterilizer	1
19.	Ultrasonic scaler	1
20.	Sets of Orthodontic pliers	3
21.	Orthodontic impression trays	3
22.	Ultrasonic cleaner capacity 3.5 lts	1
23.	Electropolisher	1

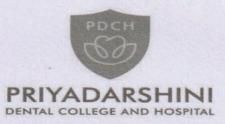
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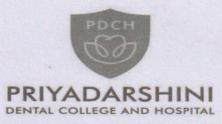
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24.	Typodonts with full teeth set	3
25.	Anatomical articulator	1
	with face bow attachments	
26.	Free plane articulators	1
27.	Hinge articulators	4
28.	Computer software for cephalometrics	1
29.	Computer with internet connection with attached printer and scanner	1
30.	Refrigerator	1



# DEPARTMENT: ORAL & MAXIILOFACIAL PATHOLOGY AND ORAL MICROBIOLOGY

S. No.	NAME	SPECIFICATION
1	Dental Chairs and Units	3
2.	Adequate laboratory glassware's as required for processing of biopsy specimens and staining.	
3.	Adequate tissue capsules / tissue embedding cassettes	
4.	Paraffin wax bath	1
5.	Leuckhart pieces	10
6.	Block holders	25
7.	Microtome	1
8.	Microtome	1
9.	Tissue floatation water bath	1
10.	Slide warming table	1
11.	Steel slide racks for staining	5
12.	Diamond glass marker	2
13.	Research microscope with phase contrast, dark field, polarization, image analyzer, photomicrography attachments	1
14.	Multi head microscope	1
15.	Binocular compound microscope	2 for faculty and one per student
16.	Stereo microscope	1
17.	Aluminum slide trays	5
18.	Wooden / plastic slide boxes	5
19.	Wax block storing cabinet	5,000 capacity
20.	Slide storing cabinet	5,000

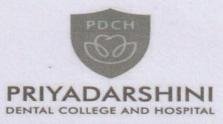
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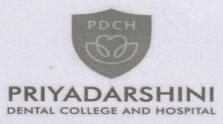
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		capacity
21.	Refrigerator	1
22.	Pipettes	5
23.	Surgical kit for biopsy	3
24.	Immuno histo chemistry lab	1
25.	Computer with Internet Connection with attached printer and scanner	1
26.	LCD projector	1
27.	Desirable Equipment	
28.	Cryostat	1
29.	Fluorescent microscope	1
30.	Hard tissue microtome	1
31.	Tissue storing cabinet (frozen)	1
32.	Microwave	1



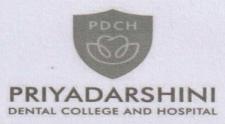
#### **DEPARTMENT: PUBLIC HEALTH DENTISTRY**

S. No.	NAME	AVAILABILITY
1.	Dental chairs	12
3.	Extraction forceps	4 sets
4.	Filling instruments	4 sets
5.	Scaling instruments	4 sets
6.	Amalgamator	1
7.	Pulp tester	1
8.	Autoclave	1
9.	X-ray viewer	1
10.	Instrument cabinet	1
11.	LCD or DLP multimedia projector	1
12.	Computer with internet connection with attached printer and scanner	1
14.	Staff bus	1
15.	Mobile dental clinic fitted with at least 2 dental chairs with complete dental unit with fire extinguisher	1
16.	Ultrasonic scaler,	1
17.	Ultrasonic cleaner capacity 3.5 lts	1
18.	Compressor	
19.	Generator	1
20.	Public address system, audio-visual aids	1
21.	Television	1
22.	Digital Versatile Disc Player	1
23.	Instrument cabinet, emergency medicine kits, Blood pressure apparatus	1

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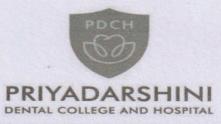
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24.	Portable oxygen cylinder	1
25.	Portable chair	1
26.	Refrigerator	1

PRIVADARSHINI DENTAL COLLEGE AND HOSPITAL.



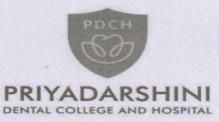
# **DEPARTMENT: PAEDODONTICS AND PREVENTIVE DENTISTRY**

S. No.	NAME	AVAILABILITY
1.	Dental Chairs and Units	26
2.	Pedo extraction forceps sets	3
3.	Autoclaves for bulk instrument sterilization vacuum (Front loading)	1
4.	RVG with intra oral x-ray unit	1
5.	Automatic developer	1
6.	Pulp tester	2
7.	Apex locator	1
8.	Rubber dam kit	1
9.	Injectable GP condenser	1
10.	Endodontic pressure syringe	1
11.	Glass bead steriliser	2
12.	Spot welder	2
13.	Ultrasonic scalers	2
14.	Needle destroyer	The last
15.	Formalin chamber	1
16.	Ultrasonic cleaner capacity 3.5 lts	1
17.	X-ray viewer	2
18.	Amalgamator	1
19.	Plaster dispenser	2
20.	Dental lathe	1
21.	Vibrator	2
22.	Typodonts	1

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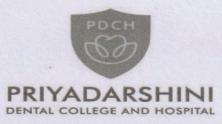
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23.	Soldering unit	1
24.	Band pinching beak pliers	2 Sets
23.	Proximal contouring pliers	2
26.	Crown crimping pliers	2
27.	Double beak pliers anterior and posterior	2
28.	Lab micro motor	2
29.	Acryliser	1
30.	Magnifying loupes	1
31.	Conscious sedation unit	1
32.	Pulse oxymeter	1
33.	Phantom head table with attached Light, Airotor and micro motor	1
34.	Computer with internet connection with attached printer and scanner	1
35.	LCD projector	1
36.	Refrigerator	1

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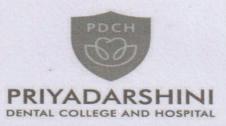


### **DEPARTMENT: ORAL MEDICINE AND RADIOLOGY**

S No	NAME	AVAILABILITY
1	Dental Chairs and Units	13
2	RVG with intra oral radiography machine (FDA Approved)	1
3	Extra oral radiography machine	1
4	Panoramic radiography (OPG) machine with cephalometric and TMJ attachment with printer	1
5	Intra-oral camera	1
6	Pulp tester	2
7	Autoclave	1
8	Punch biopsy tool	2
9	Biopsy equipment	1
10	Surgical trolley	2
11	Emergency medicines kit	1
12	Extra oral cassettes with intensifying screens (Conventional and rare earth)	4
13	Lead screens	2
14	Lead aprons	2
15	Lead gloves	2
16	Radiographic filters (Conventional and rare earth)	1
17	Dark room with safe light facility	1
18	Automatic radiographic film processors	2

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19	Radiographic film storage lead containers	1
20	Thyroid collars	1
21	Digital sphygmomanometer	1
22	Digital blood glucose tester	1
23	Digital camera	1
24	X-ray viewer boxes	2
25	Lacrimal probes	2 sets
26	Sialography cannula	2 sets
27	Illuminated mouth mirror and probe	2
28	Computer with internet connection with attached printer and scanner	1
29	LCD projector	1
30	Refrigerator	1