

ORAL MEDICINE AND RADIOLOGY : UG

Name	Specification	Quantity		
		Required	Available	Remarks of Inspector
Dental Chairs and Units	As per Specifications mentioned above	9	12	
Panoramic X-Ray with Cephalometric (Orthopantomogram)	Preferably Digital AERB Certified	1	1	
Intra Oral X-ray Unit	AERB Certified 70 KV , 8mA, high frequency preferably Digital Timer	3	3	
Pulp testers	Digital	2	2	
Automatic periapical X-ray Developer		1	1	
Automatic Panoramic with Cephalometric X-ray Developer		1	1	
X-Ray Viewer	For Panoramic and Cephalometric Films	2	7	
Radiovisiography	Digital intra X-ray system with one Sensor and Software	1	2	
General X-ray Unit		1	1	
Ortho Pantmograph	Preferably Digital	1	1	
Automatic Developers/Dark Room	As per AERB norms	1	2	
Lead Aprons		2	5	
Lead Gloves		1	1	
Lead Collar		1	4	
X-ray Hangers		6	38	
X-ray Viewers		2	14	
Diagnostic Kits	Mouth Mirror, Dental Probe, College Tweezers	35	150	
Lead Screen		1	4	
Biopsy Kit		1	2	
Autoclave	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters	1	2	
Computers	With Minimum Basic Specification (not below core i3 Processor)	1	7	
Intra Oral Camera	With High Resolution	1	1	
Needle Burner with Syringe Cutter		2	2	
CBCT	Desirable	1	2	

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ORAL & MAXILLOFACIAL SURGERY**A) EXODONTIA**

Name	Specification	Quantity		
		Required	Available	Remarks of Inspector
Dental Chairs and Units	As per Specifications mentioned above)	23	23	
Autoclaves	Front loading having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters	2	table top (21 lit)-03 table top (19Lit)-03 distiller-03 drum autoclave-01	
Ultrasonic Cleaner	Minimum capacity 13 liters with mesh bucket	1	1	
Needle Burner with Syringe Cutter		5	6	
Extraction Forceps Sets	Complete Set	18	20 sets	
Dental elevators	Complete Set	8	20 sets	
Minor Oral Surgery Kits		4	05	
Emergency Drugs Tray		1	1	
Oxygen Cylinder with Adult and Pediatric Mask		1 each	Portable -02 central wall mounted-05	
X-ray Viewers		2	21	
Computer	With Minimum basic specification (not below core i3 processor)	1	01	
Pulse Oxymeter		1	05	
BP Appartus		1	07	
Stethoscope		1	08	
Thermometer		1	01	
Glucometer		1	03	
Impaction kit		1	05	
Lab micromotor with Hand Piece		1	20	
Trauma Kit		1	02	
High Volume Suction		1	20 + 05(wall mounted)	
Surgical Straight Hand Piece		1	20	

A) MINOR SURGERY

Dental Chairs and Units	As per Specifications mentioned above	4	04	
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ANNEXURE-V

PERIODONTOLOGY (UG)

Name	Specification	Quantity		
		Required for 75 admissions	Available	Remarks of Inspector
Dental Chairs and Units	As per Specifications mentioned above	25	25	
Hand Scaling Instrument Sets	Supragingival	8	8	
	Subgingival	6	6	
Surgical Instrument Sets		4	4	
Set of Curettes	Set of 14	1	1	
Autoclave	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters	2	2	
Ultrasonic Cleaner	Minimum capacity 13 liters with mesh bucket	1	2(3litre & 5 litre)	
Electro Surgical Cautery		1	2	
Needle burner with syringe cutter		5	5	
LASER	Soft Tissue Laser	1	1	
Surgical Motor with Physio Dispenser		1	1	



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Department Paediatric & Preventive Dentistry
EQUIPMENT REQUIREMENTS (BDS – 75 EWS)

PAEDIATRIC AND PREVENTIVE DENTISTRY

Name	Specification	Quantity		
		Required	Available	Remarks of Inspector
Dental Chairs and Units	As per Specifications mentioned above	15	17	
Autoclaves	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters.	1	2	
Ultrasonic Cleaner	Minimum Capacity 13 liters with Mesh Bucket with Digital Timer	1	2	
Needle Burner with Syringe Cutter		2	3	
Amalgamator		1	1	
Pulp Tester-Digital		1	2	
Rubber Dam Kit for Pedo		4	18	
Apex Locator		1	2	
Endo Motor	With torque control HPs	1	3	
Injectable GuttaPercha with Condensation		1	1	
Radiovisiography	Digital Intra X-Ray system with Pedo Sensor and Software	1	1	
Intra Oral Camera	With High Resolution	1	1	
Scaling Instruments		7	10 sets	
Restorative Instruments		7	10 sets	
Extraction Forceps	Pedo Forceps Complete Sets	7	10 sets	
Intra-oral X-Ray		1	2	
Automatic Developer		1	1	
Computer	With Minimum Basic Specification (not below core i3 Processor)	1	3	
RCT Instruments Kits		3	3	



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PEDO LAB				
Plaster Dispenser	(a) for plaster	1	1	
	(b) for stone plaster	1	1	
Model Trimmer	(a) Diamond Disc	1	1	
	(b) Carborandum Disc	1	1	
Welder with Soldering attachments		1	4	
Vibrator		2	2	
Lab Micro Motor	With Heavy duty with Hand Piece	2	3	
Dental Lathe		1	1	
Steam Cleaner		1	1	
Pressure Moulding Machine		1	1	



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CONSERVATIVE DENTISTRY AND ENDODONTICS – UG 75 EWS

Name	Specification	Quantity		
		Required	Available	Remarks of Inspector
Dental Chairs and Units	(As per Specifications mentioned above)	26	27	
Rubber Dam Kits		5	5	
Restorative instruments kits		7	7	
R.C.T. Instrument Kits		7	7	
Autoclaves	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters	3	3	
Ultrasonic Cleaner	Minimum capacity 13 liters with mesh bucket	1	1	
Needle Bumer with Syringe Cutter		3	3	
Amalgamator	With Auto proportion, Auto dispenser	2	2	
Pulp Tester-Digital		3	3	
Apex Locator		1	1	
Glass Bead Sterilizers		5	5	
Intra-Oral X-Ray Unit	Proper radiation safety AERB	1	2	
Automatic Developer		1	1	
Radiovisiography	RVG with Computer	1	2	
Endo Motor	With torque control Hps	1	1	
Bleaching Unit		1	1	
Magnification Loops		1	1	
Injectable Gutta Percha		2	2	
PHANTOM LAB UNIT	Phantom Table fitted with Halogen Operating Light Phantom Head body type neck joint for all the movement, TMJ movement. Modular with Air rotor, Micro motor with contra angle Hps, 3-way syringe, jaw with ivory teeth, preferably soft gingival, dental operator's stool (not to use extracted or cadaver teeth).	40	55	

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	stool (not to use extracted or cadaver teeth).			
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CLINICAL LABORATORY

Plaster Dispenser	for plaster	1	1	
Plaster Dispenser	for stone plaster	1	1	
Model Trimmer	Carborandum disc	1	1	
Model Trimmer	Diamond disc	1	1	
Lathe	Heavy Duty	1	1	
Lab Micromotor	With heavy duty handpiece	2	2	
Ultrasonic Cleaner	Minimum capacity 5 liters	1	1	
Spindle Grinder		1	1	
Vibrator		1	1	
Burnout Furnace		1	1	
Porcelain Furnace		1	1	
Sandblasting Machine		1	1	
Lab Airrotor		1	1	
Pindex System		1	1	
Circular Saw		1	1	
Vacuum Mixer		1	1	
Pneumatic Chisel		1	1	
Casting Machine	Motor cast/induction casting preferred	1	1	
CAD CAM	Desirable	1	1	


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EQUIPMENT LIST (UG)**PROSTHODONTICS AND CROWN & BRIDGE**


Name	Specification	Quantity		
		Required	Available	Remarks of Inspector
Dental Chairs and Units	(As per Specifications mentioned above)	26	31	
Semi adjustable articulator	With face bow	2	2	
Extra Oral / intra Oral Tracer		2	2	
Dewaxing unit		2	2	
Light Cure unit		1	2	
Dental casting machine (Centrifugal)		1	1	
Wax burnout furnace		1	1	
Pre heating furnace		1	1	
Surveying unit		1	2	
Heavy duty hand piece	Lab micromotors	4	4	
Autoclave	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters	2	2	
Needle burner with syringe cutter		2	2	
Plaster dispenser	(a) for plaster	1	1	
	(b) for stone plaster	1	1	
Model Trimmer with Carborandum Disc		1	1	
Model Trimmer with Diamond Disc		1	1	
Acrylizer		2	3	
Lathe		1	2	
Flask Press		4	4	
Deflasking Unit		4	4	
Hydraulic Press		2	3	
Mechanical Press		2	2	
Vacuum Mixing Machine		1	1	
Lab Micro Motor	With heavy duty handpiece	4	4	
Curing Pressure Pot		1	1	
Porcelain furnace		1	1	
Vibrator		1	1	


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Sand Blasting Unit		2	2	
Ultrasonic Cleaner		2	2	
Hot Water Sterilizer		2	2	
Geyser	Compound bath	2	2	
H.P. Grinder with Suction		2	3	
Heavy Duty Lathe		2	2	
Phantom Heads		35	55	

CERAMIC AND CAST PARTIAL LABORATORY

NAME	SPECIFICATIONS	Required	Available	Remarks of Inspector
Plaster Dispenser	(a) for plaster	1	1	
	(b) for stone plaster	1	1	
Duplicator		1	1	
Pindex System		1	1	
Circular Saw		1	1	
Burn out Furnace		1	1	
Sandblasting Machine	With two containers	1	1	
Electro-Polisher		1	1	
Model Trimmer with Carborandum Disc		1	1	
Model Trimmer with Diamond Disc		1	1	
Induction Casting Machine		1	1	
Programmable Porcelain furnace with Vacuum Pump with Instrument Kit and Material Kit		1	1	
Spot Welder with Soldering, attachment of Cable		1	1	
Vacuum Mixing Machine		1	1	
Steam Cleaner		1	1	
Spindle Grinder 24,000 RPM with Vacuum Suction		1	1	
Wax Heater		1	1	
Wax Carver		1	1	
Curing Pressure Pot		1	1	
Milling Machine		1	1	


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Heavy Duty Lathe with Suction		1	1	
Preheating Furnace		1	1	
Palatal Trimmer		1	1	
Ultrasonic Cleaner	5 liters capacity	1	1	
Composite Curing Unit		1	1	
Micro Surveyor		1		

PRE-CLINICAL PROSTHETICS LABORATORY

Work table preferably complete stainless steel fitted with light, Bunsen Burner, Air Blower, working stool.		40	110	
Adequate number of Lab Micro Motor with attached Hand Piece		40	42	

PLASTER ROOM FOR PRE-CLINICAL WORK

Plaster Dispenser	for plaster	1	1	
Plaster Dispenser	for stone plaster	1	1	
Vibrator		2	2	
Lathe		2	2	
Model Trimmer		1	1	
Carborandum Disc		1	1	
Diamond Disc		1	1	


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ORTHODONTICS & DENTOFACIAL ORTHOPEDICS UG 75 EWS

Name	Specification	Quantity		
		Required	Available	Remarks of Inspector
Dental Chairs and Units	As per Specifications mentioned above	13	21	
Unit Mount Scaler		4	21	
Autoclave	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters	1	1	
Ultrasonic Cleaner	Minimum capacity 13 liters with mesh bucket with digital timer	1	1	
ORTHO LAB				
Plaster Dispenser	(a) for plaster	1	1	
	(b) for stone plaster	1	1	
Vibrator		1	2	
Model Trimmer		2	2	
Micromotor –	Heavy Duty	3	3	
Lathe		1	1	
X-ray Viewers		2	3	
OPG with Cephalostat	If available in Radiology it's adequate.	1	i n Radiology	
Blow Torch		1	3	
Base Formers		3	4	
Set of Pliers		7	7	
Soldering Torch		1	1	
Spot Welder		1	3	
Hydro Solder			1	
Typodont Articulator	With Metal Teeth Wax Rim of Class I, II, III	3	4	
Pressure Molding Machine		1	1	


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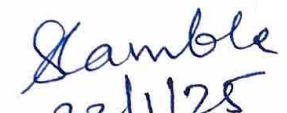
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DR. (MRS.) SHWETA K. SHAI
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PUBLIC HEALTH DENTISTRY

Name	Specification	Quantity		
		Required	Available	Remarks of Inspector
Dental Chairs and Units	As per Specifications mentioned above	12	16	
Autoclaves	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters.	1	1	
Ultrasonic Cleaner	Minimum capacity 13 liters with mesh bucket with digital timer	1	1	
Needle Burner with Syringe Cutter		3	3	
MOBILE CLINIC				
Mobile Dental Van	Mobile Dental van with two Dental Chairs with all the attachments and adequate sitting space	1	1	
Dental Chair with Unit	As per Specifications mentioned above	2	1	
Autoclaves	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters.	1	1	
Intraoral X-Ray	Portable	1	1	
Glass Bead Sterilizers		1	1	
Compressor	1.25HP	1	1	
Metal Cabinet	With wash basin	1	1	
Portable Dental Chair	Suitcase unit with Airrotor, Micromotor, Scaler and Compressor 0.25HP	2	2	
Stabilizer	4KV	1	1	
Generator	4KV	1	1	
Water Tank	400ltrs	1	1	
Oxygen Cylinder		1	1	
Public Address System		1	1	
TV and Video Cassette Player (pendrive)		1	1	
Demonstration Models		7	40	


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Dr 22/1/25
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EQUIPMENT REQUIREMENTS

As per Revised BDS Course Regulations, 2007

Department: **Oral Pathology and Oral Microbiology**

Name	Specification	Quantity		QUANTITY	Adequate/ Inadequate
		50 Intake	100 Intake		
Dental Chairs and Units	With shadowless lamp, spittoon, 3 ways ringe, instrument tray and suction	1	2	05	Adequate
Microscopes		20	40	60	Adequate
Microtome		1	1	01	Adequate
Wax bath		1	1	01	Adequate
Water bath		1	1	01	Adequate
Knife sharpener		1	1	01	Adequate
Hot plate		1	1	01	Adequate
Spencer Knife		1	1	01	Adequate



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NAIR HOSPITAL DENTAL COLLEGE, MUMBAI
DEPARTMENT OF ORAL PATHOLOGY & MICROBIOLOGY


DENTAL ANATOMY, EMBRYOLOGY, ORAL HISTOLOGY AND ORAL PATHOLOGY


Name	Specification	Quantity		
		Required	Available	Remarks of Inspector
Dental Chairs and Unit	(As per Specifications mentioned above)	1	2	
Microscopes		30	40	
Microtome		1	1	
Wax Bath		1	1	
Water Bath		1	1	
Knife Sharpner		1	1	
Hot Plate		1	1	
Spencer Knife		1	1	
Television	With USB port For displaying slide	1	2	
Teaching slides set with Box	Oral pathology and oral histology including ground sections	2 Sets (with minimum of 60 slides in each set)	3	
Education Model		4	25	

HISTOPATHOLOGY ROOM

Disposable Blade		1 set	1 set	
Hot Air Oven		1	1	
Organic Tissue Capsule	Small	1	1	
Distilled Water Plant		1	1	
Diamond Tip Pencil		1	1	
Glass Dropper Bottle		4	4	
Glass Bottle With Lid		4	4	
Wide Mouth Bottles		4	4	
Glass Funnel		4	5	
Glass Pipette		4	5	
Glass Measuring Jar		4	10	
Petri Dish 4" Glass		4	10	
L Blocks		2	10	
Loop Holder		2	5	
Magnifying Glass		1	1	
Toothed Forceps		2	5	

Plastic Dropper		2	5	
Petri Dish 50mm Glass		2	10	
Gas burner/Spirit Lamp		1	25	
Processing Bottles		4	10	
Slide Warming Table		2	2	
Slide Drying Tray		2	2	
Slide Carrying Tray		2	2	
Staining Basket SS		2	2	
Staining Trough SS	Stainless steel	2	2	
Staining Trough Glass		2	2	
Slide Staining Rack SS	Stainless steel	2	2	
Slide Box		3	20	
Slides Storage Cabinet		1	1	
Wax Block Storing Cupboard		1	1	
Stop Watch		1	1	
ORAL PATHOLOGY REPORTING STATION				
Microscope – Trinocular	With all attachments	1	2	
Colour Printer		1	2	
Desktop Computer	With Minimum basic specification (not below core i3 processor)	1	2	


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EQUIPMENTS :- PG

DEPARTMENT: ORAL MEDICINE & RADIOLOGY

S. No.	NAME	SPECIFICATION	Quantity		Availability
			1 Unit	2 Units	
1.	Dental Chairs and Units	Electrically operated with lamp, spittoon, 3 way syringe, instrument tray and suction	One chair and unit per post-graduate student		15
			1	1	2
2.	Digital X-ray System		1	1	1
3.	Extra oral radiography machine	100 kvp (Not required, If available in the Medical College or 100 Bedded General Hospital in the campus)			
4.	Panoramic radiography (OPG) machine with cephalometric and TMJ attachment with Dicom printer	Digital compatibility	1	1	2
5.	Intra-oral camera		1	1	1
6.	Pulp tester		2	4	2
7.	Autoclave		1	1	3
8.	Punch biopsy tool		2	2	2
9.	Biopsy equipment		1	2	2
10.	Surgical trolley		2	2	2
11.	Emergency medicines kit		1	1	1
12.	Lead screens		2	2	4
13.	Lead aprons		2	2	6
14.	Lead gloves		2	2	2
15.	Dark room with safe light facility	Not required, If all X-ray units are digital	1	1	1
16.	Automatic radiographic film processors	Not required, If all X-ray units are digital	2	2	2
17.	Radiographic film storage lead containers	Not required, If all X-ray units are digital	1	1	5
18.	Thyroid collars		1	1	4
19.	Digital sphygmomanometer		1	1	1

20.	Digital blood glucose tester		1	1	1
21.	Digital camera		1	1	1
22.	X-ray viewer boxes		2	3	7
23.	Lacrima probes		2 sets	2 Sets	2
24.	Sialography cannula		2 sets	2 Sets	2
25.	Illuminated mouth mirror and probe		2	2	2

26.	Computer with internet connection with attached printer and scanner		1	1	5
27.	Audio visual system		1	1	1
28.	Refrigerator		1	1	1
29.	Laser soft tissue	(Not required, if centralized Laser Clinic is available)	1	1	1
30.	Pain clinic equipment-TENS		1	1	
31.	CBCT		1	1	1

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11. EQUIPMENTS :- MDSDEPARTMENT: ORAL & MAXILLOFACIAL SURGERY

S.No.	NAME	SPECIFICATION	Quantity		Availability
			6	12	
1.	Dental Chairs and Units	Electrically operated with lamp, spittoon, 3 way syringe, instrument tray and high Motorized suction, with micromotor and air rotor attachment	6	12	12
2.	Autoclave (If CSSD available 1 per Department sufficient)		1	2	05
3.	Fumigators		1	1	04
4.	Oscillating saw	With all hand pieces	1	1	01
5.	Surgical Instruments General surgery kit including tracheotomy kit		2	2	04
	Minor oral surgery kit		5	10	10
	Osteotomy kit		1	1	02
	Cleft surgery kit		1	1	01
	Bone grafting kit		1	1	01
	Emergency kit		1	1	01
	Trauma set including bone plating kit		2	2	02
	Implantology kit,		1	1	02
	Implantology system (if common implantology Dept. available not required)		2	2	02
	Number of implants (if common implantology Dept. available not required)		10	10	10
6.	Distraction osteogenesis kit		1	1	01
7.	Peizo surgical unit		1	1	In process
8.	Magnifying loops		1	1	1
9.	Operating microscope and Microsurgery kit	desirable	1	1	1 in Plastic Ot, TNMC
10.	Dermatomes		1	1	01
12.	Ultrasonic Cleaner capacity 3.5 lts		1	1	02
14.	Pulse oxymeter		1	1	05
15.	Fibrooptic light		1	1	01
17.	Major operation theatre with all facilities	In Medical College/ 100 Bedded General Hospital	1	1	01 + 03 in Medical Hospital
18.	Recovery and Intensive Care Unit with all necessary life support equipments with Ventilator	In Medical College/ 100 Bedded General Hospital	2 beds	2 beds	2 beds in Dental & 2 beds in TNMC
19.	Inpatient beds	In Medical College/ 100 Bedded General Hospital	20	20	25

20.	Fiber optic laryngoscope	In Medical College/ 100 Bedded General Hospital	1	1	01
21.	Computer with internet connection with attached printer		1	1	02
22.	Audio Visual System		1	1	01
23.	Refrigerator		1	1	06
24.	B.P. Apparatus		1	2	05

* The number of equipments shown in this proforma represents the MINIMUM requirement for Implant clinic shared by the 3 departments viz. Oral & Maxillofacial Surgery and Periodontology and Prosthodontics and Crown & Bridge



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ANNEXURE - V

DEPARTMENT: PERIODONTOLOGY (PG)

S. N o.	NAME	SPECIFICATION	Quantity		Availability
1.	Dental Chairs and Units	Electrically operated with lamp, spittoon, 3 way syringe, instrument tray and motorized suction, micromotor and airoter attachment, ultrasonic scaler	One chair and unit per post-graduate student		11
			1 Unit	2 Units	
2.	Autoclave		1	1	2
3.	Airoter hand pieces		2	2	27
4.	W.H.O probe		2	2	2
5.	Nabers probe		2	2	2
6.	Williams probe		2	2	2
7.	UNC-15 probe		4	4	9
8.	Gold Man fox probe		1	1	2
9.	Pressure sensitive probe		1	1	1
10.	Marquis color coded probe		1	1	1
11.	Supra gingival scalers	set	2	2	2
12.	Sub gingival scaler	set	2	2	2
13.	Arkansas sharpening stone		1	1	1
	<u>SURGICAL INSTRUMENTS</u>				
1.	Routine surgical instrument kit (Benquis periosteal elevator, periotome)	set	2	3	3
2.	X ray viewer		1	2	2
3.	Electro surgery unit		1	1	2
	<u>Special Surgical Instruments</u>				
1.	Kirkland's knife	set	1	1	1
2.	Orban's knife	set	1	1	1
3.	Paquette blade handle		1	1	1
4.	Krane kaplan pocket marker	set	1	1	1
5.	Mc Calls universal curettes	set	1	1	1
6.	Gracey's curettes (No.1-18)	set	2	2	2
7.	Mini five curettes	set	1	1	1
8.	Cumine scalar		1	1	1
9.	Mallet		1	1	1
10.	Chisel		1	1	1
11.	Oschenbein chisel	straight, curved	1	1	1
12.	Schluger bone file		1	1	1
13.	Bone fixation screw kit		1	1	1
14.	Bone scraper		1	1	1

15.	Bone trephines for harvesting autografts	1 set	1	1	1
16.	Micro needle holder		1	1	1
17.	Micro scissors		1	1	1
18.	Magnifying loop (2.5 – 3.5)		1	2	2
19.	Operating microscope	optional	1	1	-
20.	3 rd generation digital probe	optional	1	1	-
21.	Bone expander and bone crester	optional	1	1	-
22.	Distraction osteogenesis kit	optional	1	1	-
23.	Bone mill	optional	1	1	-
24.	Bone graft / membrane placement spoon		1	1	1
25.	Bone condenser		1	1	1
26.	Peizo-surgery unit	optional	1	1	In process
27.	Centrifuge for PRP/PRF preparation		1	1	1
28.	Soft tissue laser (8 watt)	Not required, if available in Central Laser clinic	1	1	1
29.	Osteotome	Set optional	1	1	1
MISCELLANEOUS INSTRUMENTS					
1.	Composite gun with material kit		1	1	13
2.	Splinting kit with material		2	3	2
3.	Composite finishing kit		1	1	1
4.	Digital camera		1	1	1
5.	Intra Oral camera		1	1	1
6.	Ultrasonic cleaner		1	1	1
7.	Emergency kit		1	1	1
8.	Refrigerator		1	1	1
9.	Audio Visual System		1	1	1
10.	Computer with internet connection with attached printer and scanner		1	1	1
11.	Educating models		1	1	1
<u>Implant Equipment</u>					
12.	Electrical dental chair and unit	Not required, if Central Implant Clinic is available	1	1	1
13.	Physio dispenser	Not required, if Central Implant Clinic is available	1	1	1
14.	Implant kit	Not required, if Central Implant Clinic is available	2	2	1
15.	Implants	Not required, if Central Implant Clinic is available	10	10	10

16.	Implant maintenance kit (plastic instruments)	Not required, if Central Implant Clinic is available	1 set	1 set	1
17.	Implant guide	Not required, if Central Implant Clinic is available	1	1	1
18.	X-ray viewer	Not required, if Central Implant Clinic is available	1	2	2
19.	Ultrasonic cleaner capacity 3.5 lts	Not required, if Central Implant Clinic is available	1	1	1
20.	Autoclave	Not required, if Central Implant Clinic is available	1	1	1
21.	Digital X-ray system	Not required, if Central Implant Clinic is available	1	1	1
22.	Surgical kit	Not required, if Central Implant Clinic is available	2	2	2
23.	Sinus lift kit	Not required, if Central Implant Clinic is available	1	1	DC1671/3. 6.19 a mc(ws) Sanction obtained
24.	Implant removing kit	Not required, if Central Implant Clinic is available	1	1	DC/1667/3. 6.19 AM C (WS) S ANCTIO N OBTAINED

* The number of equipments shown in this proforma represents the MINIMUM requirement for Implant clinic shared by the 3 departments viz. Oral & Maxillofacial Surgery, Periodontology and Prosthodontics and Crown & Bridge



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28/1/25
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Department of Pediatric Dentistry
EQUIPMENT REQUIREMENTS
MDS Course

S. No.	NAME	SPECIFICATION	Quantity		Availability
1.	Dental Chairs and Units	Electrically operated with lamp, spittoon, 3 way syringe, and motorised suction, micromotor attachment with contra angle handpiece connection, airtor attachment, dental operator stool (25% dental chairs shall be pedo chairs)	One chair and unit per post-graduate student		9
			1 Unit	2 Units	
2.	Pedo Extraction forceps & elevators sets		3	4	10 sets
3.	Autoclaves		1	1	2
4.	Digital X-ray system	with Pedo sensor (0 and 1)	1	1	1
5.	Pulp tester		1	1	2
6.	Apex locator		1	1	2
7.	Rubber dam kit	One set per student	1	1	18
8.	Spot welder		1	1	4
9.	Ultrasonic scalers		2	4	26
10.	Ultrasonic cleaner		1	1	2
11.	X-ray viewer		2	3	27
12.	Amalgamator		1	1	1
13.	Plaster dispenser		2	2	2
14.	Dental lathe		1	1	1
15.	Heavy Duty Vibrator (Whip mix)		1	1	2
16.	Typhodont Primary Teeth	One set per student			3
17.	Typhodont Permanent Teeth	One set per student			3
18.	Soldering unit		1	1	1
19.	Band pinching beak pliers		2 Sets	2 Sets	5 sets
20.	Proximal contouring pliers		2	3	4
21.	Crown crimping pliers		2	3	3
22.	Double beak pliers anterior and posterior		2	3	8
23.	Lab micro motor		2	3	2
24.	Acryliser		1	1	2
25.	Magnifying loupes		1	1	2
26.	Conscious sedation unit		1	1	1
27.	Pulse oxymeter		1	1	1
28.	Phantom head table with attached Light, Airtor and micro motor	One set per each P.G. Student (for 1 st year students only)	1	1	1 set each PG
29.	Computer with internet connection with attached printer and scanner		1	1	3



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30.	Audio Visual System	(in Seminar Room)	1	1	1
31.	Refrigerator		1	1	4
32.	Endodontic microscope	Desirable	1	1	1
33.	Soft tissue laser	Desirable	1	1	1
34.	Model trimmer		1	1	2
35.	Endomotor		1	1	3
36.	Adjustable Mouth prop A. Infant mouth gag (MGI) B. Child mouth gag (MGC) C. Adult mouth gag (MGA)	Desirable	1 (of each Size)	2 (of each Size)	6
37.	Papoose Board (Small, Regular, Large size, Extra large size)	Desirable	1 (each size)	2 (each size)	1
38.	Head & Arm Immobilizers (Small, Regular, Large size,)	Desirable	1 (of each Size)	2 (of each size)	1
39.	Bracket holding pliers	One per student			-
40.	Straight hoe pliers	One per student			3
41.	Curved hoe pliers	One per student			3
42.	Intraoral camera with screen	Desirable	3	6	1
43.	Television	Desirable	1	1	1

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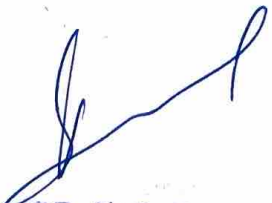
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11. **EQUIPMENTS :-**

DEPARTMENT: CONSERVATIVE DENTISTRY AND ENDODONTICS

S.No.	NAME	SPECIFICATION	Quantity		Availability
1.	Dental Chairs and Units	Electrically operated with lamp, spittoon, 3 way syringe, instrument tray and motorized suction, micromotor, airotor attachment	One chair & unit per post-graduate student		14
			1 Unit	2 Units	
2.	Micro endosonic Tips, retro treatment		1	2	1
3.	Endomotor		2	4	2
4.	Rubber dam kit	One per Student			9
5.	Autoclaves		1	1	2
6.	Apex locators		2	4	2
7.	Pulp tester		2	4	2
8.	Equipments for injectable thermoplasticized gutta percha		1	1	1
9.	Operating microscopes		1	2	2
10.	Surgical endo kits (Microsurgery)		2	2	2
11.	Set of hand instruments (specifications required)		1	2	1
12.	Ultrasonic cleaner capacity 3.5 lts		1	1	1
13.	Variable Intensity polymerization equipments - VLC units		1	1	1
14.	Conventional VLC units		2	4	6
15.	Magnifying loupes	one per student			9
16.	Audio Visual System		1	1	1
17.	Composite kits with different shades and polishing kits		2	4	2
18.	Ceramic finishing kits, metal finishing kits	(In centralized ceramic lab)	2	3	2
19.	Digital X-ray system		1	1	1
20.	Bleaching unit (with light)		1	1	1
21.	Instrument retrieval kits		1	1	1
22.	Computer with internet connection with attached printer and scanner		1	1	1
23.	Refrigerator		1	1	1
24.	Equipments for ceramics including induction casting machines/ burnout furnaces/	(In centralized ceramic lab)	1	1	1
25.	Lab micro motor/sand blasters/ polishing lathes/ duplicator equipment/ vacuum investment equipments	(In centralized ceramic lab)	1	1	1
26.	Laser (preferably hard tissue)		1	1	1(soft tissue laser)
27.	Composite curing Unit		1	1	1


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EQUIPMENTS IN THE DEPARTMENT (PG)


S. No.	NAME	SPECIFICATION	Quantity		Availability
1.	Electrical Dental Chairs and Units	With lamp, spittoon, 3 way syringe, instrument tray and motorized suction, micromotor and airtor attachment	One chair and unit per PG student		11
			1 Unit	2 Units	
2.	Semi Adjustable Articulator with Face bow		6	12	6
3.	Micromotor – (Lab Type can also be attached (fixed) to wall		2	4	2
4.	Ultrasonic scaler		2	2	2
5.	Light cures		2	2	2
6.	Autoclave (If Centralized sterilization system is not available)		1	1	2
7.	Surveyor		1	1	2
8.	Refrigerator		1	1	1
9.	X-ray viewer		1	2	1
10.	Pneumatic, Crown bridge remover		1	1	
11.	Digital SLR camera		1	1	1
12.	Computer with internet connection with attached printer and scanner		1	1	1
13.	Audio Visual System		1	1	1
Clinical Lab for Prosthetics					
1.	Plaster dispenser		1	1	2
2.	Model trimmer with carborandum Disc		1	1	1
3.	Model trimmer with diamond disc		1	1	1
4.	High speed lathe		1	1	2
5.	Vibrator		1	1	1
6.	Acrylizer		1	1	1
7.	Dewaxing unit		1	1	1
8.	Hydraulic press		1	1	1
9.	Mechanical press		1	1	1
10.	Micro motor lab type		2	3	2
11.	Pressure molding machine		1	1	1
Metal Casting Lab					
1.	Duplicator		1	1	1
2.	Pindex system		1	1	1
3.	Burn-out furnace		1	1	1
4.	Sandblaster	Micro and macro	1	1	1
5.	Model trimmer with carborandum disc		1	1	1



6.	Model trimmer with diamond disc		1	1	1
7.	Spot welder with soldering, attachment of cable		1	1	1
8.	Steam cleaner		1	1	1
9.	Vacuum mixing machine		1	1	1
10.	Wax heater for wax carving		1	1	2
11.	Wax carvers (Full PKT Set)		2	3	2
12.	Milling machine		1	1	1
13.	Magnifying work lamp		1	1	1
14.	Heavy duty lathe with suction		1	1	1
15.	Die cutting machine		1	1	1
16.	Ultrasonic cleaner		1	1	1
17.	Electrically operated centrifugal casting machine		1	1	
18.	Induction Casting Machine		1	1	1
19.	Lab Micro Motor		1	1	1

Ceramic Lab Equipment					
1.	Fully programmable porcelain furnace with vacuum pump		1	1	1
2.	Ceramic kit (instruments)		3	3	3
3.	Ceramic polishing kit		2	2	2
4.	Magnifying work lamp		1	1	1
Implant Equipment (Not required, if Central Implant Clinic is available)					
1.	Electrical dental chair and unit		1	1	5
2.	Physio dispenser		1	1	3
3.	Implant kit	Minimum 2 systems	2	2	4
4.	Implants		10	10	50
5.	Prosthetic components		10	10	10
6.	light cure		1	1	1
7.	X-ray viewer		1	1	1
8.	Ultrasonic cleaner		1	1	1
9.	Autoclave		1	1	1
10.	X-ray machine with RVG		1	1	1
11.	Refrigerator		1	1	1
12.	Surgical kit/prosthetic kit		2	2	2
13.	Educating models		1	1	1
14.	Implant removing instruments		1	1	1


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11. **EQUIPMENTS :-**

MDS

DEPARTMENT: **ORTHODONTICS AND DENTOFACIAL ORTHOPAEDICS PG**

S. No.	NAME	SPECIFICATION	Quantity		Availability
1	Dental Chairs and Unit	Electrically operated with lamp, spittoon, 3 way syringe, instrument tray and motorized suction	One chair & unit per PG student		9
			1 Unit	2 Units	
2	Vacuum /pressure moulding unit		1	1	1
3	Hydrogen soldering unit		1	1	1
4	Lab micromotor		1	2	5
5	Spot welders		1	2	5
6	Model trimmer (Double disc)		1	2	1
7	Light curing unit		2	2	9
8	High intensity light curing unit		1	1	1
9	Polishing lathes		1	1	1
10	Tracing tables		2	3	2
11	SLR digital camera		1	1	1
12	Scanner with transparency adapter		1	1	1
13	X-ray viewer		3	4	3
14	Audio Visual System		1	1	1
15	Autoclaves		1	1	1
16	Ultrasonic scaler		1	1	9
17	Sets of Orthodontic pliers		3	3	3
18	Orthodontic impression trays		3	5	394
19	Ultrasonic cleaner capacity 3.5 lts		1	1	2
20	Electropolisher		1	1	1
21	Typodonts with full teeth set		3	3	3
22	Semi Adjustable articulator with face bow attachments		1	1	1
23	Free plane articulators		1	1	2
24	Hinge articulators		4	4	4
25	Computer software for cephalometrics.		1	1	1
26	Computer with internet connection with attached printer and scanner		1	1	1
27	Refrigerator		1	1	1


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EQUIPMENT REQUIREMENTS
Asper MDSCourse Regulations, 2017

Department: **Oral & Maxillofacial Pathology and Oral Microbiology**

Name	Specification	Quantity		Quantity available	Adequate/ Inadequate
		1 Unit	2 Units		
Dental Chairs and Units	Electrically operated with shadowless lamp, spittoon, 3 way syringe, instrument tray and suction	3	6	05	Adequate
Adequate laboratory glassware's as required for processing of biopsy specimens and staining.	Reasonable quantity should be made available			Reasonable quantity is available	Adequate
Adequate tissue capsules /tissue embedding cassettes	Reasonable quantity should be made available			Reasonable quantity is available	Adequate
Paraffin wax bath	Thermostatically controlled	1	1	01	Adequate
Leuckhart pieces		10	10	10	Adequate
Block holders		25	25	50	Adequate
Microtome	Manual	1	1	1	Adequate
Microtome	semi-automated	1	1	1	Adequate
Tissue floatation water bath	thermostatically controlled	1	1	1	Adequate
Slide warming table		1	1	1	Adequate
Steel slide racks for staining		5	5	10	Adequate
Diamond glass marker		2	2	5	Adequate
Research microscope with phase contrast, darkfield, polarization, image analyzer, photomicrography attachments		1	1	1	Adequate
Multihead microscope	Penta headed	1	1	1	Adequate
Binocular compound microscope		2 for faculty and one per student	4 for faculty and one per student	45	Adequate
Stereomicroscope		1	1	01	Adequate
Aluminum slide trays		5	5	10	Adequate
Wooden/plastic slide boxes		5	5	20	Adequate

Waxblockstoringcabinet		5,000 capacity	10,000 capacity	45000 capacity	Adequate
Slidestoringcabinet		5,000 capacity	10,000 capacity	45000 capacity	Adequate
Refrigerator		1	1	02	Adequate
Pipettes		5	5	20	Adequate
Surgicalkitforbiopsy		3	6	10	Adequate
Immunohistochemistrylab		1	1	01	-
ComputerwithInternetConn ectionwith attached printerandscanner		1	1	03	Adequate
LCDprojector		1	1	01	Adequate
DesirableEquipment					
Cryostat		1	1	0	
Fluorescentmicroscope		1	1	0	
Hardtissuemicrotome		1	1	0	
Tissuestoringcabinet(frozen)		1	1	0	
Microwave		1	1	1	



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