

EQUIPMENT REQUIREMENTS

As per Revised BDS Course Regulations, 2007

Department: **Oral Medicine and Radiology**

Name	Specification	Quantity		Available Quantity	Adequate /Inadequate	Remark
		50 Intake	100 Intake			
	(Space allocation for each dental chair 100 Sq.Ft. in All the Departments)					
Dental Chairs and Units	Electrically operated, Spittoon attachment, Halogen Light with 2 intensity, Air Ventry Suction, X-Ray viewer, 3 way syringe, instrument tray, Dental Operator's Stool with height adjustment		12	12	Adequate	
Panoramic X-Ray with Cephalometric	Preferably digital		1	1	Adequate	
Intra Oral X-ray Unit	70 KV, 8 mA, high frequency preferably Digital timer		3	3	Adequate	
Pulp testers	Digital				Adequate	
Automatic periapical X-ray Developer			1	1	Adequate	
Automatic Panoramic with Cephalometric X-ray Developer			1	No		
X-ray viewer	For Panoramic and Cephalometric films		2	2	Adequate	
Radiovisiography	Digital Intra X-ray system with one Sensor and Software		1	1	Adequate	
General X-ray Unit			1	1	Adequate	
Ortho Pantmograph	Preferably digital		1	1	Adequate	
Automatic Developers / Dark Room			2	2	Adequate	
Lead aprons			2	2	Adequate	
Lead Gloves			1	1	Adequate	
X-ray Hangers			6	6	Adequate	
X-ray Viewers			2	2	Adequate	
Diagnostic Kits	Mouth mirror, dental probe, college tweezers		40	40	Adequate	
Lead Screen			1	1	Adequate	
Biopsy Kit			1	1	Adequate	
Autoclave	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters		2	2	Adequate	
Computers	Minimum Pentium – IV		1	1	Adequate	
Intra Oral Camera	With High resolution		1	1	Adequate	
Needle Burner with Syringe Cutter			2	2	Adequate	

Department: **Oral Pathology and Oral Microbiology**

Name	Specification	Quantity		Available Quantity	Adequate /Inadequate	Remark
		50 Intake	100 Intake			
Dental Chairs and Units	With shadowless lamp, spittoon, 3 way syringe, instrument tray and suction		2	2	Adequate	
Microscopes			40	40	Adequate	
Microtome			1	1	Adequate	
Wax bath			1	1	Adequate	
Water bath			1	1	Adequate	
Knife sharpener			1	1	Adequate	
Hot plate			1	1	Adequate	
Spencer Knife			1	1	Adequate	

Department: **Public Health Dentistry**

Name	Specification	Quantity		Available Quantity	Adequate /Inadequate	Remark
		50 Intake	100 Intake			
Dental Chairs and Units	Electrically operated, Spittoon attachment, Halogen Light with 2 intensity, Air Ventury suction, micromotor control light cure 3 way syringe, X-ray viewer, instrument tray Dental Operators stool with height adjustment with shadowless lamp, spittoon, 3 way syringe, instrument tray and suction, micromotor, airtor, light cure		16	16	Adequate	
Autoclaves	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters		2	2	Adequate	
Ultrasonic cleaner	Minimum capacity 13 litres with mesh bucket with digital timer		2	2	Adequate	
Needle burner with syringe cutter			4	4	Adequate	
MOBILE CLINIC					Adequate	
Mobile dental van	Mobile dental van with two dental chairs with all the attachments and adequate sitting space for 15 to 20 people				Adequate	
Dental chair with unit	Hydraulically operated with spittoon attachment, halogen light with 2 intensity, air ventury suction, airtor, micromotor, 3 way-scaler and light cure, x-ray viewer, instrument tray, operating stool				Adequate	
Autoclaves	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters		1	1	Adequate	
Intraoral x-ray	Portable, 70 KV, 8 mA		1	1	Adequate	
Glass bead sterilisers			1	1	Adequate	
Compressor	1.25 HP		1	1	Adequate	
Metal Cabinet	With wash basin		1	1	Adequate	
Portabledental chair	Suitcase unit with airtor, micromotor, scaler and compressor 0.25 HP		2	2	Adequate	
Stabiliser	4 KV		1	1	Adequate	
Generator	4 KV		1	1	Adequate	
Water tank	400 ltrs		1	1	1	
Oxygen cylinder			1	Yes	1	

Publicaddress system			1	Yes	Adequate	
TV and video cassette player			1	1	Adequate	
Demonstration models			1	1	Adequate	

Department: Paediatric and Preventive Dentistry

Name	Specification	Quantity		Available Quantity	Adequate /Inadequate	Remark
		50 Intake	100 Intake			
Dental Chairs and Units	Electrically operated, Spittoon attachment, Halogen Light with 2 intensity, high power motorized evacuation system, Air rotor with miniature, Airrotor HPS, Micro motor with miniature contrangle Hand piece, 3 way syringe, ultrasonic sealer with 3 tips, Light cure unit LED based heat free, X-ray viewer, instrument tray Dental Operator'sstool with height adjustment (Pedo chair preferred)		20	20	Adequate	
Autoclaves	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters		2	2	Adequate	
Ultrasonic cleaner	Minimum capacity 13 liters with mesh bucket with digital timer		2	2	Adequate	
Needle Burner With syringe cutter			3	3	Adequate	
Amalgamator			1	1	Adequate	
Pulp Tester Digital			1	1	Adequate	
Rubber dam kit for pedo			5	5	Adequate	
Apex locator			1	1	Adequate	
Endo motor	With torque control HPs		1	1	Adequate	
Injectable gutta percha with condensation			1	1	Adequate	
Radiovisiography	Digital intra X-ray system with pedo sensor and software		1	1	Adequate	
Intra Oral Camera	With high resolution		1	1	Adequate	
Scale instruments			10	10	Adequate	
Restorative instruments			10	10	Adequate	
Extraction forceps			10	10	Adequate	
Intra-oral X-ray			1	1	Adequate	
Automatic Developer			1	1	Adequate	
Computer	Minimum Pentium – IV		1	1	Adequate	
PEDO LAB						
Plaster dispenser	One each for plaster and stone plaster		2	2	Adequate	
Model Trimmer	With diamond disc		1	1	Adequate	
Model Trimmer	Double disc one diamond and one carborandam disc		1	1	Adequate	
Welder with soldering attachments			1	1	Adequate	
Vibrator			2	2	Adequate	

Lab micro motor	Heavy duty with Hps		3	3	Adequate	
Dental Lathe			1	1	Adequate	
Model Trimmer			1	1	Adequate	

Steam cleaner			1	1	Adequate	
Pressure moulding Machine			1	1	Adequate	
Carborandum Disc			1	1	Adequate	
Diamond disc			1	1	Adequate	

Department: **Orthodontics**

Name	Specification	Quantity		Available Quantity	Adequate /Inadequate	Remark
		50 Intake	100 Intake			
Dental Chairs and Units	Electrically operated, Spittoon attachment, Halogen Light with 2 intensity, Air Ventury suction, micromotor control light cure 3 way syringe, X-ray viewer, instrument tray Dental Operators stool with height adjustment		18	18	Adequate	
Unit mount scaler			5	5	Adequate	
Autoclave	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters		2	2	Adequate	
Ultrasonic cleaner	Minimum capacity 13 litres with mesh bucket with digital timer		2	2	Adequate	
ORTHO LAB					Adequate	
Plaster dispenser	One each for plaster and stone plaster		2	2	Adequate	
Vibrator			2	2	Adequate	
Model Trimmer			2	2	Adequate	
Micromotor	Heavy duey		4	4	Adequate	
Lathe			2	2	Adequate	
X-ray viewers			2	2	Adequate	
OPG with cephalostat	If available in radiology its is adequate		1	1	Adequate	
Welders			4	4	Adequate	
Blue Torch			1	1	Adequate	
Base Formers			4	4	Adequate	
Typodont			4	4	Adequate	
Set of pliers			10	10	Adequate	
Welder with soldering attachments			1	1	Adequate	
Hydro solder			1	1	Adequate	
Typhodont articulator	With metal teeth wax rim of Class I, II, III		4	4	Adequate	
Pressure moulding machine			1	1		

Department: Periodontology

Name	Specification	Quantity		Available Quantity	Adequate /Inadequate	Remark
		50 Intake	100 Intake			
Dental Chairs and Units	Electrically operated, Spittoon attachment, Halogen Light with 2 intensity, high power evacuation system, Air Ventury suction, X-ray viewer, Airrotor, Micromotor with straight and contrangle Handpiece, with shadowless lamp, spittoon, 3 way syringe, Ultrasonic sealer with 3 tips, X-ray viewer, instrument tray Dental Operators stool with height adjustment		34	34	Adequate	
Scaling instrument sets			10	10	Adequate	
Surgical instrument sets			6	6	Adequate	
Autoclave	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters		3	3	Adequate	
Ultrasonic scaler	Minimum capacity 13 liters with mesh bucket		2	2	Adequate	
Electrosurgical Cautery			1	1	Adequate	
Needle burner With syringe cutter			6	6	Adequate	
LASER	Soft tissue laser		1	1	Adequate	
Surgical motor With physio dispenser			1	1	Adequate	

Department: Conservative Dentistry and Endodontics

Name	Specification	Quantity		Available Quantity	Adequate /Inadequate	Remark
		50 Intake	100 Intake			
Dental Chairs and Units	Electrically operated, Spittoon attachment, Halogen Light with 2 intensity, high power evacuation system, Air Ventury suction, X-ray viewer, Airrotor, Micromotor with straight and contrangle Handpiece, with shadowless lamp, spittoon, 3 way syringe, Ultrasonic sealer with 3 tips, X-ray viewer, instrument tray Dental Operators stool with height adjustment		34	34	Adequate	
Rubber dam kits			6	6	Adequate	
Restorative instruments kits			10	10	Adequate	
R.C.T. instrument kits			10	10	Adequate	
Autoclave	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters		3	3	Adequate	
Ultrasonic cleaner	Minimum capacity 13 litres with mesh bucket		2	2	Adequate	
Needle Burner With Syringe Cutter			4	4	Adequate	
Amalgamator	With auto proportion, auto dispenser		3	3	Adequate	
Rubber dam kits			6	6		

Pulp Tester Digital			4	4	Adequate	
Apex locator			2	2	Adequate	
Glass bead sterilizers			6	6	Adequate	
Plaster dispenser			2	2	Adequate	
Vibrator			2	2	Adequate	
Ceramic Unit			1	1	Adequate	
Casting machine			1	1	Adequate	
Intra-oral X-ray Unit	Proper radiation safety		1	1	Adequate	
Automatic Developer			1	1	Adequate	
Radiovisiography	RVG with Computer		1	1	Adequate	
Endo motor	With torque control Hps		1	1	Adequate	
Bleaching Unit			1	1	Adequate	
Magnification loops			2	2	Adequate	
Injectabl gutta percha			2	2	Adequate	
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 ivorine teeth, preferably soft gingival, dental operator's stool (<u>not to use extracted or cadaver teeth</u>).		60	60	Adequate	

Chemical Laboratory

Name	Specification	Quantity		Available Quantity	Adequate /Inadequate	Remark
		50 Intake	100 Intake			
Plaster Dispenser	One each for plaster and stone plaster		2	2	Adequate	
Model Trimmer	Carborandum disc		1	1	Adequate	
	Diamond disc		1	1	Adequate	
Lathe	Heavy Duty		2	2	Adequate	
Lab Micromotor	With heavy duty handpiece		3	3	Adequate	
Ultrasonic cleaner	Minimum capacity 5 litres		1	1	Adequate	
Spindle Grinder			1	1	Adequate	
Vibrator			2	2	Adequate	
Burnout furnace			1	1	Adequate	
Porcelain furnace			1	1	Adequate	
Sandblasting Machine			1	1	Adequate	
Lab Airotor			1	1	Adequate	
Pindex System			1	1	Adequate	
Circular saw			1	1	Adequate	
Vacuum mixer			1	1	Adequate	
Pnematic chisel			1	1	Adequate	
Casting machine	Motor cast / induction casting preferred		1	1		

Department: Oral & Maxillofacial Surgery

A) Exodontia

Name	Specification	Quantity		Available Quantity	Adequate /Inadequate	Remark
		50 Intake	100 Intake			
Dental Chairs and Units	Electrically operated, Spittoon attachment, Halogen Light with 2 intensity, Air Ventury suction, X-ray viewer, 3 way syringe, instrument tray Dental Operators stool and height adjustment and suction, Micromotor / Airtor		30	30	Adequate	
Autoclave	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters		2	2	Adequate	
Ultrasonic cleaner	Minimum capacity 13 litres with mesh bucket		2	2	Adequate	
Needle Burner with Syringe Cutter			6	6	Adequate	
Extraction forceps sets	Complete set		20	20	Adequate	
Dental elevators	Complete set		10	10	Adequate	
Minor Oral Surgery kits			6	6	Adequate	
Emergency drugs tray			1	1	Adequate	
Oxygen cylinder with mask			1	1	Adequate	
X-ray viewers			2	2	Adequate	
Computer	Minimum Pentium – IV		1	Yes		

B) Minor Surgery

Name	Specification	Quantity		Available Quantity	Adequate /Inadequate	Remark
		50 Intake	100 Intake			
Dental Chairs and Units	Electrically operated, Spittoon attachment, Halogen Light with 2 intensity, high power evacuation system, Air ventury suction, X-ray viewer, Airtor, Micromotor with straight and contra-angle Handpiece, 3 way syringe, instrument tray Dental Operators stool and height adjustment and suction.		5	5	Adequate	

Department: Prosthodontics and Crown & Bridge

Name	Specification	Quantity		Available Quantity	Adequate /Inadequate	Remark
		50 Intake	100 Intake			
Dental Chairs and Units	Electrically operated, Spittoon attachment, Halogen Light with 2 intensity, high power evacuation system, Air Ventury suction, X-ray viewer, Airtor, Micromotor with straight and contrangle Handpiece, 3 way syringe, Ultrasonic sealer with 3 tips, Light cure unit, instrument tray and suction, Dental Operators stool with height adjustment		34	34	Adequate	
Semi-adjustable articulator	With face bow		2	2	Adequate	

Extra oral / intra oral tracer		2	2	Adequate	
Dewaxing unit		2	2	Adequate	
Curing unit		2	2	Adequate	
Dentalcasting machine		1	1	Adequate	
Wax burnout Furnace		1	1	Adequate	
Preheating furnace		1	1	Adequate	
Surveying unit		2	2	Adequate	
Heavy duty hand Piece	Lab micromotors	4	4	Adequate	
Autoclave	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters	2	2	Adequate	
Needle Burner With Syringe Cutter		2	2	Adequate	
Plaster dispenser	One each for plaster and stone plaster	2	2	Adequate	
Model Trimmer with carborandum Disc		1	1	Adequate	
Model Trimmer with diamond Disc		2	2	Adequate	
Acryliser		3	3	Adequate	
Lathe		2	2	Adequate	
Flask press		4	4	Adequate	
Deflasking unit		4	4	Adequate	
Dewaxing unit		3	3	Adequate	
Hydraulic Press		3	3	Adequate	
Mechanical Press		2	2	Adequate	
Vacuum mixing machine		1	1	Adequate	
Lab Micro motor	With heavy duty handpiece	4	4	Adequate	
Curing pressure Pot		1	1	Adequate	
Porcelain furnace		2	2	Adequate	
Vibrator		2	2	Adequate	
Sandblasting unit		2	2	Adequate	
Ultrasonic cleaner		2	2	Adequate	
Model Trimmer		4	4	Adequate	
Hot water sterilizer		2	2	Adequate	
Geyser	Compound bath	2	2	Adequate	
H.P. grinder with suction		3	3	Adequate	
Heavy duty lathe		2	2	Adequate	
Phantom heads		50	50	Adequate	
Pre-clinical working tables	Gas connection & Bunsen burner	100	100	Adequate	

Ceramic and Cast Partial Laboratory

Name	Specification	Quantity		Available Quantity	Adequate /Inadequate	Remark
		50 Intake	100 Intake			
Plaster dispenser	One each for plaster and stone plaster		2	2	Adequate	
Duplicator			1	1	Adequate	
Pindex System			1	1	Adequate	
Circular saw			1	1	Adequate	
Burnout furnace			1	1	Adequate	
Sandblasting Machine	With two containers		1	1	Adequate	
Electro polisher			1	1	Adequate	
Model Trimmer with Carborandum disc			1	1	Adequate	
Model Trimmer with diamond disc			1	1	Adequate	
Induction casting machine			1	1	Adequate	
Programmable porcelain furnace with vacuum pump with instrument kit and material kit			1	1	Adequate	
Spot welder with soldering attachment of cable			1	1	Adequate	
Vacuum mixing machine			1	1	Adequate	
Steam Cleaner			1	1	Adequate	
Spindle Grinder 24000 rpm with vacuum suction			1	1	Adequate	
Wax heater			1	1	Adequate	
Wax carver			1	1	Adequate	
Curing pressure pot			1	1	Adequate	
Milling machine			1	1	Adequate	
Heavy duty lathe with suction			1	1	Adequate	
Preheating furnace			1	1	Adequate	
Palatal trimmer			1	1	Adequate	
Ultrasonic cleaner	5 liters capacity		1	1	Adequate	
Composite curing unit			1	1	Adequate	
Micro surveyor			1	1	Adequate	
Pre-clinical Prosthetic Laboratory	Work table preferably complete stainless steel fitted with light, Bunsen burner, air blower, working stool. Adequate number of lab micro motor with attached hand piece.		60 20	60 20	Adequate	
Plaster room for pre-clinical work					Adequate	
Plaster dispenser	One each for plaster and stone		2	2	Adequate	
Vibrator			2	2	Adequate	
Lathe			2	2	Adequate	
Model Trimmer			1	1	Adequate	
Carborandum Disc			1	1	Adequate	
Diamond disc			1	1	Adequate	

EQUIPMENT REQUIREMENTS

Department: Prosthodontics and Crown & Bridge

Name	Specification	Quantity		Available Quantity	Adequate /Inadequate	Remark
		1 Unit	2 Units			
Electrical Dental Chairs and Units	With shadowless lamp, spittoon, 3 way syringe, instrument tray and motorized suction, micromotor and airtor attachment with handpieces	One Chair and unit per PG student and two chairs with unit for the faculty				
		1 Unit	2 Units	2 Units	Adequate	
Articulators – semi adjustable/ adjustable with face bow		6	12	12	Adequate	
Micromotor – (Lab Type can also be attached (fixed) to wall		2	4	4	Adequate	
Ultrasonic scaler		2	2	2	Adequate	
Light cures		2	2	2	Adequate	
Hot air oven		1	1	1	Adequate	
Autoclave		2	2	2	Adequate	
Surveyor		2	2	2	Adequate	
Refrigerator		1	1	1	Adequate	
X-ray viewer		1	2	2	Adequate	
Pneumatic, Crown bridge remover		2	3	3	Adequate	
Needle destroyer		1	2	2	Adequate	
Intra oral camera		1	1	1	Adequate	
Digital SLR camera		1	1	1	Adequate	
Computer with internet connection with attached printer and scanner		1	1	1	Adequate	
LCD projector		1	1	1		
Clinical Lab for Prosthetics						
Plaster dispenser		2	2	2	Adequate	
Model trimmer with carborandum Disc		1	2	2	Adequate	
Model trimmer with diamond disc		1	2	2	Adequate	
High speed lathe		2	3	3	Adequate	
Vibrator		2	4	4	Adequate	
Acrylizer		1	2	2	Adequate	
Dewaxing unit		1	2	2	Adequate	
Hydraulic press		1	1	1	Adequate	
Mechanical press		1	1	1	Adequate	
Vacuum mixing machine		1	1	1	Adequate	
Micro motor lab type		2	3	3	Adequate	
Curing pressure pot		1	1	1	Adequate	
Pressure molding machine		1	1	1	Adequate	
Chrome – Cobalt Lab Equipment						
Duplicator		1	1	1	Adequate	
Pindex system		1	1	1	Adequate	
Burn-out furnace		1	1	1	Adequate	
Welder		1	1	1	Adequate	
Sandblaster	Micro and macro	1	1	1	Adequate	
Electro – polisher		1	1	1	Adequate	
Model trimmer with carborandum disc		1	1	1	Adequate	

Model trimmer with diamond disc		1	1	1	Adequate	
Model trimmer with double disc (one Carborandum and one diamond disc)		1	1	1	Adequate	
Casting machine, motor cast with the safety door closure, gas blow torch with regulator		1	1	1	Adequate	
Dewaxing furnace		1	1	1	Adequate	
Induction casting machine with vacuum pump, capable of casting titanium chrome cobalt precision metal		1	1	1	Adequate	
Spot welder with soldering, attachment of cable		1	1	1	Adequate	
Steam cleaner		1	1	1	Adequate	
Vacuum mixing machine		1	1	1	Adequate	
Spindle grinder 24,000 RPM with vacuum suction		1	1	1	Adequate	
Wax heater		2	3	3	Adequate	
Wax carvers (Full PKT Set)		2	3	3	Adequate	
Milling machine		1	1	1	Adequate	
Stereo microscope		1	1	1	Adequate	
Magnifying work lamp		1	1	1	Adequate	
Heavy duty lathe with suction		1	1	1	Adequate	
Preheating furnace		1	1	1	Adequate	
Dry model trimmer		1	1	1	Adequate	
Die cutting machine		1	2	2	Adequate	
Ultrasonic cleaner		1	1	1	Adequate	
Composite curing unit		1	1	1	Adequate	
Ceramic Lab Equipment						
Fully programmable porcelain furnace with vacuum pump		1	1	1	Adequate	
Ceramic kit (instruments)		3	3	3	Adequate	
Ceramic materials (kit)		1	1	1	Adequate	
Ceramic polishing kit		2	2	2	Adequate	
Implan Equipment						
Electrical dental chair and unit		1	1	1	Adequate	
Physio dispenser		1	1	1	Adequate	
Implant kit	Minimum 2 systems	2	2	2	Adequate	
Implants		10	10	10	Adequate	
Prosthetic components		10	10	10	Adequate	
Unit mount light cure		1	2	2	Adequate	
X-ray viewer		1	2	2	Adequate	
Needle destroyer		1	2	2	Adequate	
Ultrasonic cleaner capacity 3.5 lts		1	1	1	Adequate	
Autoclave programmable for all recommended cycles		1	2	2	Adequate	
X-ray machine with RVG		1	1	1	Adequate	
Refrigerator		1	1	1	Adequate	
Surgical kit/prosthetic kit		2	2	2	Adequate	
Educating models		1	1	1	Adequate	
Implant removing instruments		1	1	1	Adequate	

Department: **Periodontology**

Name	Specification	Quantity	Available Quantity	Adequate /Inadequate	Remark
Dental Chairs and Units	Electrically operated with shadowless lamp, spittoon, 3 way syringe, instrument tray and motorized suction, micromotor attachment with contra angle handpiece,airoter attachment, ultrasonic scaler (Piezo) with detachable autoclavable handpiece	One chair and unit per post-graduate student and Two chairs with unit for the faculty			
		1 Unit	1 Unit	Adequate	
Autoclave (fully automatic) front loading		1	1	Adequate	
Steel bin		4	4	Adequate	
Airoter hand pieces		2	2	Adequate	
UV chamber		1	1	Adequate	
Formalin chamber		1	1	Adequate	
W.H.O probe		2	2	Adequate	
Nabers probe		2	2	Adequate	
Williams probe		2	2	Adequate	
UNC-15 probe		4	4	Adequate	
Gold Man fox probe		1	1	Adequate	
Pressure sensitive probe		1	1	Adequate	
Marquis color coded probe		1	1	Adequate	
Supra gingival scalers	set	2	2	Adequate	
Sub gingival scaler	set	2	2	Adequate	
Arkansas sharpening stone		1	1	Adequate	
Surgical Instruments					
Routine surgical instrument kit (Benquis periosteal elevator, periotome)	Set				
Surgery trolleys		6	6	Adequate	
X ray viewer		1	1	Adequate	
Surgical cassette with sterilisation pouches		4	4	Adequate	
Electro surgery unit		1	1	Adequate	
Special Surgical Instruments					
Kirkland's knife	set	1	1	Adequate	
Orban's knife	set	1	1	Adequate	
Paquette blade handle		1	1	Adequate	
Krane kaplan pocket marker	set	1	1	Adequate	
Mc Calls universal curettes	set	1	1	Adequate	
Gracey's curettes (No.1-18)	set	2	2	Adequate	
Mini five curettes	set	1	1	Adequate	
Cumine scalar		1	1	Adequate	
Mallet		1	1	Adequate	
Chisel		1	1	Adequate	
Oschenbein chisel	straight, curved	1	1	Adequate	
Schluger bone file		1	1	Adequate	
Bone fixation screw kit		1	1	Adequate	
Bone scrapper		1	1	Adequate	

Bone trephines for harvesting autografts	1 set			1	Adequate	
Bone regenerative materials	Bone graft and GTR membranes	5		5	Adequate	
Local drug delivery systems	At least two different agents	1 each		1 each	Adequate	
Root conditioning agent	At least two different agents	2		2	Adequate	
Micro needle holder		1		1	Adequate	
Micro scissors		1		1	Adequate	
Magnifying loop (2.5 – 3.5)		1		1	Adequate	
Operating microscope	optional	1		1	Adequate	
3rd generation digital probe	optional	1		1	Adequate	
Bone expander and bone crester	optional	1		1	Adequate	
Distraction osteogenesis kit	optional	1		1	Adequate	
Bone mill	optional	1		1	Adequate	
Bone graft / membrane placement spoon		1		1	Adequate	
Bone condenser		1		1	Adequate	
Peizo-surgery unit	optional	1		1	Adequate	
Centrifuge for PRP/PRF preparation	optional	1		1	Adequate	
Soft tissue laser (8 watt)		1		1	Adequate	
Osteotome	set optional	1		1	Adequate	
Miscellaneous Instruments						Yes
Composite gun with material kit		1		1	Adequate	
Splinting kit with material		2		2	Adequate	
Composite finishing kit		1		1	Adequate	
Glass Ionomer cement		1		1	Adequate	
Digital camera		1		1	Adequate	
Intra Oral camera		1		1	Adequate	
Ultrasonic cleaner		1		1	Adequate	
Emergency kit		1		1	Adequate	
Refrigerator		1		1	Adequate	
X-ray viewer		2		2	Adequate	
LCD projector		1		1	Adequate	
Computer with internet connection with attached printer and scanner		1		1	Adequate	
Implant Equipment					Adequate	
Electrical dental chair and unit		1		1	Adequate	
Physio dispenser		1		1	Adequate	
Implant kit	At least two different systems	2		2	Adequate	
Implants		10		10	Adequate	
Implant maintenance kit (plastic instruments)		1 set		1 set	Adequate	
Implant guide		1		1	Adequate	
X-ray viewer		1		1	Adequate	
Needle destroyer		1		1	Adequate	
Ultrasonic cleaner capacity 3.5 lts		1		1	Adequate	
Autoclave programmable for all recommended cycles		1		1	Adequate	
RVG with x-ray machine		1		1	Adequate	
Refrigerator		1		1	Adequate	
Surgical kit		2		2	Adequate	
Sinus lift kit		1		1	Adequate	
Educating models		1		1	Adequate	
Implant removing kit		1		1	Adequate	

Department: Conservative Dentistry and Endodontics

Name	Specification	Quantity		Available Quantity	Adequate /Inadequate	Remark
		1 Unit	2 Units			
Dental Chairs and Units	Electrically operated with shadowless lamp, spittoon, 3 way syringe, instrument tray and motorized suction, micromotor,airotor attachment with hand pieces	One chair & unit per post-graduate student and two chairs with unit for the faculty				
		1 Unit	2 Units	2 Unit	Adequate	
ENDOSONIC HANDPIECES – Micro endosonic Tips, retro treatment		2	3	3	Adequate	
Mechanised rotary instruments including hand pieces (speed and torque control) and hand instruments various systems		3	6	6	Adequate	
Rubber dam kit		1 per chair	1 per chair	1 per chair	Adequate	
Autoclaves for bulk instrument sterilization vacuum (Front loading)		2	3	3	Adequate	
Autoclaves for hand piece sterilization		1	1	1	Adequate	
Apex locators one for every two chairs		2	4	4	Adequate	
Pulp tester		2	4	4	Adequate	
Equipments for injectable thermoplasticized gutta percha		1	2	2	Adequate	
Operating microscopes 3 step or 5 step magnification		1	1	1	Adequate	
Surgical endo kits (Microsurgery)		2	2	2	Adequate	
Set of hand instruments (specifications required)		1	2	2	Adequate	
Sterilizer trays for autoclave		4	4	4	Adequate	
Ultrasonic cleaner capacity 3.5 lts		1	1	1	Adequate	
Variable Intensity polymerization equipments - VLC units	Desirable	1	1	1	Adequate	
Conventional VLC units one for every two chairs		2	4	4	Adequate	
Needle destroyer		2	2	2	Adequate	
Magnifying loupes one for students and one for faculty		1	2	2	Adequate	
LCD projector		1	1	1	Adequate	
Composite kits with different shades and polishing kits		2	4	4	Adequate	
Ceramic finishing kits, metal finishing kits	In ceramic labs	2	3	3	Adequate	
Amalgam finishing kits		2	3	3	Adequate	
RVG with x-ray machine developing kit		1	1	1	Adequate	
Chair side micro abrasion		1	1	1	Adequate	
Bleaching unit		1	1	1	Adequate	
Instrument retrieval kits		1	1	1	Adequate	
Computer with internet connection with attached printer and scanner		1	1	1	Adequate	

Refrigerator		1	1	1	Adequate	
Equipments for casting procedures				1	Adequate	
Equipments for ceramics including induction casting machines/ burnout preheat furnaces/ wax elimination furnaces		1	1	1	Adequate	
Lab micro motor/ metal grinders / sand blasters/ polishing lathes/ duplicator equipment/ vacuum investment equipments		1	1	1	Adequate	
Laser (preferably hard tissue)		1	1	1	Adequate	
Face bow with semi adjustable articulator		1	2	1s	Adequate	

Department: **Orthodontics and Dentofacial Orthopedics**

Name	Specification	Quantity			Available Quantity	Adequate /Inadequate	Remark
		1 Unit	2 Units	2 Unit			
Dental Chairs and Units	Electrically operated with shadow less lamp, spittoon, 3 way syringe, instrument tray and motorized suction	One chair & unit per PG student and Two chairs with unit for the faculty					
		1 Unit	2 Units	2 Unit	Adequate		
Vacuum /pressure moulding unit		1	1	1	Adequate		
Hydrogen soldering unit		1	1	1	Adequate		
Lab micromotor		3	5	5	Adequate		
Spot welders		3	5	5	Adequate		
Model trimmer (Double disc)		2	3	3	Adequate		
Light curing unit		2	2	2	Adequate		
High intensity light curing unit		1	2	2	Adequate		
Polishing lathes		2	3	3	Adequate		
Tracing tables		3	5	5	Adequate		
SLR digital camera		1	1	1	Adequate		
Scanner with transparency adapter		1	1	1	Adequate		
X-ray viewer		3	4	4	Adequate		
LCD projector		1	1	1	Adequate		
Autoclaves for bulk instrument Sterilization vacuum (Front loading)		1	1	1	Adequate		
Needle destroyer		1	1	1	Adequate		
Dry heat sterilizer		1	1	1	Adequate		
Ultrasonic scaler		1	1	1	Adequate		
Sets of Orthodontic pliers		3	3	3	Adequate		
Orthodontic impression trays		3	5	5	Adequate		
Ultrasonic cleaner capacity 3.5 lts		1	1	1	Adequate		
Electropolisher		1	1	1	Adequate		
Typodonts with full teeth set		3	3	3	Adequate		
Anatomical articulator with face bow attachments		1	1	1	Adequate		
Free plane articulators		1	1	1	Adequate		
Hinge articulators		4	4	4	Adequate		
Computer software for cephalometrics		1	1	1	Adequate		
Computer with internet connection with attached printer and scanner		1	1	1	Adequate		
Refrigerator		1	1	1	Adequate		

Department: Oral Medicine and Radiology

Name	Specification	Quantity		Available Quantity	Adequate /Inadequate	Remark
		1 Unit	2 Units			
Dental Chairs and Units	Electrically operated with shadowless lamp, spittoon, 3 way syringe, instrument tray and suction	One chair and unit per post-graduate student and one chair with unit for the Faculty				
		1 Unit	2 Units	1 Unit	Adequate	
RVG with intra oral radiography machine (FDA Approved)	55-70 Kvp with digital Compatibility	1		1	Adequate	
Extra oral radiography machine	100 kvp	1		1	Adequate	
Panoramic radiography (OPG) machine with cephalometric and TMJ attachment with printer	Digital compatibility	1		1	Adequate	
Intra-oral camera		1		1	Adequate	
Pulp tester		2		2	Adequate	
Autoclave		1		1	Adequate	
Punch biopsy tool		2		2	Adequate	
Biopsy equipment		1		1	Adequate	
Surgical trolley		2		2	Adequate	
Emergency medicines kit		1		1	Adequate	
Extra oral cassettes with intensifying screens (Conventional and rare earth)		4		4	Adequate	
Lead screens		2		2	Adequate	
Lead aprons		2		2	Adequate	
Lead gloves		2		2	Adequate	
Radiographic filters (Conventional and rare earth)		1		1	Adequate	
Dark room with safe light facility		1		1	Adequate	
Automatic radiographic film processors		2		2	Adequate	
Radiographic film storage lead containers		1		1	Adequate	
Thyroid collars		1		1	Adequate	
Digital sphygmomanometer		1		1	Adequate	
Digital blood glucose tester		1		1	Adequate	
Digital camera		1		1	Adequate	
X-ray viewer boxes		2		2	Adequate	
Lacrimal probes		2 sets		2 sets	Adequate	
Sialography cannula		2 sets		2 sets	Adequate	
Illuminated mouth mirror and probe		2		2	Adequate	
Computer with internet connection with attached printer and scanner		1		1	Adequate	
LCD projector		1		1	Adequate	
Refrigerator		1		1	Adequate	


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