

## EQUIPMENT REQUIREMENTS

As per Revised BDS Course Regulations, 2007

Department: Oral Medicine and Radiology

Name	Specification	Quantity		Details on College Website	Adequate / Inadequate
		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	6	12	Yes 27	Adequate
Panoramic X-Ray with Cephalometric	Preferably digital	1	1	Yes 01	Adequate
Intra Oral X-ray Unit	70 KV, 8 mA, high frequency preferably Digital timer	2	3	Yes 03	Adequate
Pulp testers	Digital		1	Yes 01	Adequate
Automatic periapical X-ray Developer		1	1	Yes 01	Adequate
Automatic Panoramic with Cephalometric X-ray Developer		1	1	Yes 01	Adequate
X-ray viewer	For Panoramic and Cephalometric films	2	2	Yes 02	Adequate
Radiovisiography	Digital Intra X-ray system with one Sensor and Software	1	1	Yes 01	Adequate
General X-ray Unit		1	1	Yes 01	Adequate
Ortho Pantmograph	Preferably digital	1	1	Yes 01	Adequate
Automatic Developers / Dark Room		1	2	Yes 02	Adequate
Lead aprons		2	2	Yes 02	Adequate
Lead Gloves		1	1	Yes 01	Adequate
X-ray Hangers		6	6	Yes 06	Adequate
X-ray Viewers		2	2	Yes 02	Adequate
Diagnostic Kits	Mouth mirror, dental probe, college tweezers	20	40	Yes 40	Adequate
Lead Screen		1	1	Yes 01	Adequate
Biopsy Kit		1	1	Yes 01	Adequate
Autoclave	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters	1	2	Yes 02	Adequate
Computers	Minimum Pentium – IV	1	1	Yes 01	Adequate
Intra Oral Camera	With High resolution	1	1	Yes 01	Adequate
Needle with Burner Syringe Cutter		2	2	Yes 02	Adequate

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Department: Oral Pathology and Oral Microbiology

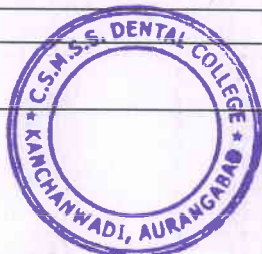
Name	Specification	Quantity		Details on College Website	Adequate / Inadequate
		50 Intake	100 Intake		
Dental Chairs and Units	With shadowless lamp, spittoon, 3 way syringe, instrument tray and suction	1	2	Yes 02	Adequate
Microscopes		20	40	Yes 40	Adequate
Microtome		1	1	Yes 01	Adequate
Wax bath		1	1	Yes 01	Adequate
Water bath		1	1	Yes 01	Adequate
Knife sharpener		1	1	Yes 01	Adequate
Hot plate		1	1	Yes 01	Adequate
Spencer Knife		1	1	Yes 01	Adequate

Department: Public Health Dentistry

Name	Specification	Quantity		Details on College Website	Adequate / Inadequate
		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	8	16	Yes 16	Adequate
Autoclaves	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters	1	2	Yes 02	Adequate
Ultrasonic cleaner	Minimum capacity 13 litres with mesh bucket with digital timer	1	2	Yes 02	Adequate
Needle burner with syringe cutter		2	4	Yes 04	Adequate
MOBILE CLINIC				Yes	Adequate
Mobile dental van	Mobile dental van with two dental chairs with all the attachments and adequate sitting space for 15 to 20 people			Yes	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	2		Yes 02	Adequate
Autoclaves	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters	1	1	Yes 01	Adequate
Intraoral x-ray	Portable, 70 KV, 8 mA	1	1	Yes 01	Adequate
Glass bead sterilisers		1	1	Yes 01	Adequate
Compressor	1.25 HP	1	1	Yes 01	Adequate
Metal Cabinet	With wash basin	1	1	Yes 01	Adequate
Portable dental chair	Suitcase unit with airtor, micromotor, scaler and compressor 0.25 HP	2	2	Yes 02	Adequate
Stabiliser	4 KV	1	1	Yes 01	Adequate
Generator	4 KV	1	1	Yes 01	Adequate
Water tank	400 ltrs	1	1	Yes 01	Adequate
Oxygen cylinder		1	1	Yes 01	Adequate
Public address system		1	1	Yes 01	Adequate

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TV and video cassette player		1	1	Yes 01	Adequate
Demonstration models		1	1	Yes 01	Adequate

**Department: Paediatric and Preventive Dentistry**

Name	Specification	Quantity		Details on College Website	Adequate / Inadequate
		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's stool with height adjustment (Pedo chair preferred)	10	20	Yes 22	Adequate
Autoclaves	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters	1	2	Yes 02	Adequate
Ultrasonic cleaner	Minimum capacity 13 liters with mesh bucket with digital timer	1	2	Yes 02	Adequate
Needle Burner with syringe cutter		2	3	Yes 03	Adequate
Amalgamator		1	1	Yes 01	Adequate
Pulp Tester Digital		1	1	Yes 01	Adequate
Rubber dam kit for pedo		3	5	Yes 05	Adequate
Apex locator		1	1	Yes 01	Adequate
Endo motor	With torque control HPs	1	1	Yes 01	Adequate
Injectable gutta percha with condensation		1	1	Yes 01	Adequate
Radiovisiography	Digital intra X-ray system with pedo sensor and software	1	1	Yes 01	Adequate
Intra Oral Camera	With high resolution	1	1	Yes 01	Adequate
Scale instruments		5	10	Yes 10	Adequate
Restorative instruments		5	10	Yes 10	Adequate
Extraction forceps		5	10	Yes 10	Adequate
Intra-oral X-ray		1	1	Yes 01	Adequate
Automatic Developer		1	1	Yes 01	Adequate
Computer	Minimum Pentium – IV	1	1	Yes 01	Adequate
<b>PEDO LAB</b>					
Plaster dispenser	One each for plaster and stone plaster	2	2	Yes 02	Adequate
Model Trimmer	With diamond disc	1	1	Yes 01	Adequate
Model Trimmer	Double disc one diamond and one carborandam disc	1	1	Yes 01	Adequate
Welder with soldering attachments		1	1	Yes 01	Adequate
Vibrator		2	2	Yes 02	Adequate
Lab micro motor	Heavy duty with Hps	2	3	Yes 03	Adequate
Dental Lathe		1	1	Yes 01	Adequate
Model Trimmer		1	1	Yes 01	Adequate

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Steam cleaner		1	1	Yes 01	Adequate
Pressure moulding machine		1	1	Yes 01	Adequate
Carborandum disc		1	1	Yes 01	Adequate
Diamond disc		1	1	Yes 01	Adequate

Department: Orthodontics

Name	Specification	Quantity		Details on College Website	Adequate / Inadequate
		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	9	18	Yes 39	Adequate
Unit mount scaler		3	5	Yes 05	Adequate
Autoclave	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters	1	2	Yes 02	Adequate
Ultrasonic cleaner	Minimum capacity 13 litres with mesh bucket with digital timer	1	2	Yes 02	Adequate
ORTHO LAB				Yes	Adequate
Plaster dispenser	One each for plaster and stone plaster	2	2	Yes 02	Adequate
Vibrator		2	2	Yes 02	Adequate
Model Trimmer		1	2	Yes 02	Adequate
Micromotor	Heavy duey	2	4	Yes 04	Adequate
Lathe		1	2	Yes 02	Adequate
X-ray viewers		2	2	Yes 02	Adequate
OPG with cephalostat	If available in radiology its is adequate	1	1	Yes 01	Adequate
Welders		2	4	Yes 04	Adequate
Blue Torch		1	1	Yes 01	Adequate
Base Formers		2	4	Yes 04	Adequate
Typodont		2	4	Yes 04	Adequate
Set of pliers		5	10	Yes 10	Adequate
Welder with soldering attachments		1	1	Yes 01	Adequate
Hydro solder		1	1	Yes 01	Adequate
Typodont articulator	With metal teeth wax rim of Class I, II, III	3	4	Yes 01	Adequate
Pressure moulding machine		1	1	Yes 01	Adequate

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Department: Periodontology

Name	Specification	Quantity		Details on College Website	Adequate / Inadequate
		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	17	34	Yes 45	Adequate
Scaling instrument sets		5	10	Yes 10	Adequate
Surgical instrument sets		3	6	Yes 06	Adequate
Autoclave	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters	2	3	Yes 03	Adequate
Ultrasonic scaler	Minimum capacity 13 litres with mesh bucket	1	2	Yes 02	Adequate
Electro surgical cautery		1	1	Yes 01	Adequate
Needle burner with syringe cutter		4	6	Yes 06	Adequate
LASER	Soft tissue laser	1	1	Yes 01	Adequate
Surgical motor with physio dispenser		1	1	Yes 01	Adequate

Department: Conservative Dentistry and Endodontics

Name	Specification	Quantity		Details on College Website	Adequate / Inadequate
		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	17	34	Yes 55	Adequate
Rubber dam kits		4	6	Yes 06	Adequate
Restorative instruments kits		5	10	Yes 10	Adequate
R.C.T. instrument kits		5	10	Yes 10	Adequate
Autoclave	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters	2	3	Yes 03	Adequate
Ultrasonic cleaner	Minimum capacity 13 litres with mesh bucket	1	2	Yes 02	Adequate
Needle Burner with Syringe Cutter		3	4	Yes 04	Adequate
Amalgamator	With auto proportion, auto dispenser	2	3	Yes 03	Adequate
Rubber dam kits		4	6	Yes 06	Adequate
Pulp Tester Digital		2	4	Yes 04	Adequate
Apex locator		1	2	Yes 02	Adequate
Glass bead		4	6	Yes 06	Adequate

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sterilizers				Yes	Adequate
Plaster dispenser		2	2	Yes 02	Adequate
Vibrator		1	2	Yes 02	Adequate
Ceramic Unit		1	1	Yes 01	Adequate
Casting machine		1	1	Yes 01	Adequate
Intra-oral X-ray Unit	Proper radiation safety	1	1	Yes 01	Adequate
Automatic Developer		1	1	Yes 01	Adequate
Radiovisiography	RVG with Computer	1	1	Yes 01	Adequate
Endo motor	With torque control Hps	1	1	Yes 01	Adequate
Bleaching Unit		1	1	Yes 01	Adequate
Magnification loops		1	2	Yes 02	Adequate
Injectable gutta percha		1	2	Yes 02	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 ivory teeth, preferably soft gingival, dental operator's stool (not to use extracted or cadaver teeth).	30	60	Yes 60	Adequate

#### Chemical Laboratory

Name	Specification	Quantity		Details on College Website	Adequate / Inadequate
		50 Intake	100 Intake		
Plaster Dispenser	One each for plaster and stone plaster	2	2	Yes 02	Adequate
Model Trimmer	Carborandum disc	1	1	Yes 01	Adequate
	Diamond disc	1	1	Yes 01	Adequate
Lathe	Heavy Duty	1	2	Yes 02	Adequate
Lab Micromotor	With heavy duty handpiece	2	3	Yes 03	Adequate
Ultrasonic cleaner	Minimum capacity 5 litres	1	1	Yes 01	Adequate
Spindle Grinder		1	1	Yes 01	Adequate
Vibrator		1	2	Yes 02	Adequate
Burnout furnace		1	1	Yes 01	Adequate
Porcelain furnace		1	1	Yes 01	Adequate
Sandblasting Machine		1	1	Yes 01	Adequate
Lab Airtor		1	1	Yes 01	Adequate
Pindex System		1	1	Yes 01	Adequate
Circular saw		1	1	Yes 01	Adequate
Vacuum mixer		1	1	Yes 01	Adequate
Pneumatic chisel		1	1	Yes 01	Adequate
Casting machine	Motor cast / induction casting preferred	1	1	Yes 01	Adequate

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Department: Oral & Maxillofacial Surgery

A) Exodontia

Name	Specification	Quantity		Details on College Website	Adequate / Inadequate
		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 / Airotor	15	30	Yes 41 <i>total for Pg - 11</i>	Adequate
Autoclave	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters	2	2	Yes 02	Adequate
Ultrasonic cleaner	Minimum capacity 13 litres with mesh bucket	1	2	Yes 02	Adequate
Needle Burner with Syringe Cutter		4	6	Yes 06	Adequate
Extraction forceps sets	Complete set	10	20	Yes 20	Adequate
Dental elevators	Complete set	5	10	Yes 10	Adequate
Minor Oral Surgery kits		3	6	Yes 06	Adequate
Emergency drugs tray		1	1	Yes 01	Adequate
Oxygen cylinder with mask		1	1	Yes 01	Adequate
X-ray viewers		2	2	Yes 02	Adequate
Computer	Minimum Pentium – IV	1	1	Yes 01	Adequate

B) Minor Surgery

Name	Specification	Quantity		Details on College Website	Adequate / Inadequate
		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 contra-angle Handpiece, 3 way syringe, instrument tray Dental Operators stool and height adjustment and suction.	3	5	Yes 05	Adequate

Department: Prosthodontics and Crown & Bridge

Name	Specification	Quantity		Details on College Website	Adequate / Inadequate
		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, 3 way syringe, Ultrasonic sealer with 3 tips, Light cure unit, instrument tray and suction, Dental Operators stool with height adjustment	17	34	Yes 55	Adequate
Semi-adjustable articulator	With face bow	2	2	Yes 02	Adequate
Extra oral / intra oral tracer		2	2	Yes 02	Adequate
Dewaxing unit		1	2	Yes 02	Adequate



Curing unit		1	2	Yes 02	Adequate
Dental casting machine		1	1	Yes 01	Adequate
Wax burnout furnace		1	1	Yes 01	Adequate
Pre heating furnace		1	1	Yes 01	Adequate
Surveying unit		1	2	Yes 02	Adequate
Heavy duty hand piece	Lab micromotors	3	4	Yes 04	Adequate
Autoclave	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters	1	2	Yes 02	Adequate
Needle Burner with Syringe Cutter		1	2	Yes 02	Adequate
Plaster dispenser	One each for plaster and stone plaster	2	2	Yes 02	Adequate
Model Trimmer with Carborandum disc		1	1	Yes 01	Adequate
Model Trimmer with diamond disc		1	2	Yes 02	Adequate
Acryliser		2	3	Yes 03	Adequate
Lathe		1	2	Yes 02	Adequate
Flask press		4	4	Yes 04	Adequate
Deflasking unit		4	4	Yes 04	Adequate
Dewaxing unit		2	3	Yes 03	Adequate
Hydraulic Press		2	3	Yes 03	Adequate
Mechanical Press		1	2	Yes 02	Adequate
Vacuum mixing machine		1	1	Yes 01	Adequate
Lab Micro motor	With heavy duty handpiece	3	4	Yes 04	Adequate
Curing pressure pot		1	1	Yes 01	Adequate
Porcelain furnace		1	2	Yes 02	Adequate
Vibrator		1	2	Yes 02	Adequate
Sandblasting unit		2	2	Yes 02	Adequate
Ultrasonic cleaner		1	2	Yes 02	Adequate
Model Trimmer		2	4	Yes 04	Adequate
Hot water sterilizer		1	2	Yes 02	Adequate
Geyser	Compound bath	1	2	Yes 02	Adequate
H.P. grinder with suction		2	3	Yes 03	Adequate
Heavy duty lathe		2	2	Yes 02	Adequate
Phantom heads		50	50	Yes 50	Adequate
Pre-clinical working tables	Gas connection & Bunsen burner	50	100	Yes 100	Adequate

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### Ceramic and Cast Partial Laboratory

Name	Specification	Quantity		Details on College Website	Adequate / Inadequate
		50 Intake	100 Intake		
Plaster dispenser	One each for plaster and stone plaster	2	2	Yes 02	Adequate
Duplicator		1	1	Yes 01	Adequate
Pindex System		1	1	Yes 01	Adequate
Circular saw		1	1	Yes 01	Adequate
Burnout furnace		1	1	Yes 01	Adequate
Sandblasting Machine	With two containers	1	1	Yes 01	Adequate
Electro polisher		1	1	Yes 01	Adequate
Model Trimmer with Carborandum disc		1	1	Yes 01	Adequate
Model Trimmer with diamond disc		1	1	Yes 01	Adequate
Induction casting machine		1	1	Yes 01	Adequate
Programmable porcelain furnace with vacuum pump with instrument kit and material kit		1	1	Yes 01	Adequate
Spot welder with soldering attachment of cable		1	1	Yes 01	Adequate
Vacuum mixing machine		1	1	Yes 01	Adequate
Steam Cleaner		1	1	Yes 01	Adequate
Spindle Grinder 24000 rpm with vacuum suction		1	1	Yes 01	Adequate
Wax heater		1	1	Yes 01	Adequate
Wax carver		1	1	Yes 01	Adequate
Curing pressure pot		1	1	Yes 01	Adequate
Milling machine		1	1	Yes 01	Adequate
Heavy duty lathe with suction		1	1	Yes 01	Adequate
Preheating furnace		1	1	Yes 01	Adequate
Palatal trimmer		1	1	Yes 01	Adequate
Ultrasonic cleaner	5 liters capacity	1	1	Yes 01	Adequate
Composite curing unit		1	1	Yes 01	Adequate
Micro surveyor		1	1	Yes 01	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.	30 10	60 20	Yes 60 20	Adequate
Plaster room for pre-clinical work				Yes	Adequate
Plaster dispenser	One each for plaster and stone	2	2	Yes 02	Adequate
Vibrator		2	2	Yes 02	Adequate
Lathe		2	2	Yes 02	Adequate
Model Trimmer		1	1	Yes 01	Adequate
Carborandum Disc		1	1	Yes 01	Adequate
Diamond disc		1	1	Yes 01	Adequate

  
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## EQUIPMENT REQUIREMENTS

As per MDS Course Regulations, 2017

Department: Prosthodontics and Crown & Bridge

Name	Specification	Quantity		Details on College Website	Adequate / Inadequate
		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		Yes 55 <i>total for pg-21</i>	Adequate
		1 Unit	2 Units		
Articulators – semi adjustable/ adjustable with face bow		6	12	Yes 12	Adequate
Micromotor – (Lab Type can also be attached (fixed) to wall		2	4	Yes 04	Adequate
Ultrasonic scaler		2	2	Yes 02	Adequate
Light cures		2	2	Yes 02	Adequate
Hot air oven		1	1	Yes 01	Adequate
Autoclave		2	2	Yes 02	Adequate
Surveyor		2	2	Yes 02	Adequate
Refrigerator		1	1	Yes 01	Adequate
X-ray viewer		1	2	Yes 02	Adequate
Pneumatic, Crown bridge remover		2	3	Yes 03	Adequate
Needle destroyer		1	2	Yes 02	Adequate
Intra oral camera		1	1	Yes 01	Adequate
Digital SLR camera		1	1	Yes 01	Adequate
Computer with internet connection with attached printer and scanner		1	1	Yes 01	Adequate
LCD projector		1	1	Yes 01	Adequate
<b>Clinical Lab for Prosthetics</b>					
Plaster dispenser		2	2	Yes 02	Adequate
Model trimmer with carborandum Disc		1	2	Yes 02	Adequate
Model trimmer with diamond disc		1	2	Yes 02	Adequate
High speed lathe		2	3	Yes 03	Adequate
Vibrator		2	4	Yes 04	Adequate
Acrylizer		1	2	Yes 02	Adequate
Dewaxing unit		1	2	Yes 02	Adequate
Hydraulic press		1	1	Yes 01	Adequate
Mechanical press		1	1	Yes 01	Adequate
Vacuum mixing machine		1	1	Yes 01	Adequate
Micro motor lab type		2	3	Yes 03	Adequate
Curing pressure pot		1	1	Yes 01	Adequate
Pressure molding machine		1	1	Yes 01	Adequate
<b>Chrome – Cobalt Lab Equipment</b>					
Duplicator		1	1	Yes 01	Adequate
Pindex system		1	1	Yes 01	Adequate
Burn-out furnace		1	1	Yes 01	Adequate
Welder		1	1	Yes 01	Adequate
Sandblaster	Micro and macro	1	1	Yes 01	Adequate
Electro-polisher		1	1	Yes 01	Adequate
Model trimmer with carborandum disc		1	1	Yes 01	Adequate

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Model trimmer with diamond disc		1	1	Yes 01	Adequate
Model trimmer with double disc (one Carborandum and one diamond disc)		1	1	Yes 01	Adequate
Casting machine, motor cast with the safety door closure, gas blow torch with regulator		1	1	Yes 01	Adequate
Dewaxing furnace		1	1	Yes 01	Adequate
Induction casting machine with vacuum pump, capable of casting titanium chrome cobalt precision metal		1	1	Yes 01	Adequate
Spot welder with soldering, attachment of cable		1	1	Yes 01	Adequate
Steam cleaner		1	1	Yes 01	Adequate
Vacuum mixing machine		1	1	Yes 01	Adequate
Spindle grinder 24,000 ROM with vacuum suction		1	1	Yes 01	Adequate
Wax heater		2	3	Yes 03	Adequate
Wax carvers (Full PKT Set)		2	3	Yes 03	Adequate
Milling machine		1	1	Yes 01	Adequate
Stereo microscope		1	1	Yes 01	Adequate
Magnifying work lamp		1	1	Yes 01	Adequate
Heavy duty lathe with suction		1	1	Yes 01	Adequate
Preheating furnace		1	1	Yes 01	Adequate
Dry model trimmer		1	1	Yes 01	Adequate
Die cutting machine		1	2	Yes 02	Adequate
Ultrasonic cleaner		1	1	Yes 01	Adequate
Composite curing unit		1	1	Yes 01	Adequate
<b>Ceramic Lab Equipment</b>					
Fully programmable porcelain furnace with vacuum pump		1	1	Yes 01	Adequate
Ceramic kit (instruments)		3	3	Yes 03	Adequate
Ceramic materials (kit)		1	1	Yes 01	Adequate
Ceramic polishing kit		2	2	Yes 02	Adequate
<b>Implant Equipment</b>					
Electrical dental chair and unit		1	1	Yes 01	Adequate
Physio dispenser		1	1	Yes 01	Adequate
Implant kit	Minimum 2 systems	2	2	Yes 02	Adequate
Implants		10	10	Yes 10	Adequate
Prosthetic components		10	10	Yes 10	Adequate
Unit mount light cure		1	2	Yes 02	Adequate
X-ray viewer		1	2	Yes 02	Adequate
Needle destroyer		1	2	Yes 02	Adequate
Ultrasonic cleaner capacity 3.5 lts		1	1	Yes 01	Adequate
Autoclave programmable for all recommended cycles		1	2	Yes 02	Adequate
X-ray machine with RVG		1	1	Yes 01	Adequate
Refrigerator		1	1	Yes 01	Adequate
Surgical kit/prosthetic kit		2	2	Yes 02	Adequate
Educating models		1	1	Yes 01	Adequate
Implant removing instruments		1	1	Yes 01	Adequate

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Department: Periodontology

Name	Specification	Quantity		Details on College Website	Adequate / Inadequate
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 hand piece	One chair and unit per post-graduate student and Two chairs with unit for the faculty		Yes 45 <i>total for PG-11</i>	Adequate
		1 Unit	2 Units	Yes	Adequate
Auto clave (fully automatic) front loading		1	2	Yes 02	Adequate
Steel bin		4	6	Yes 06	Adequate
Airoter hand pieces		2	2	Yes 02	Adequate
UV chamber		1	1	Yes 01	Adequate
Formalin chamber		1	1	Yes 01	Adequate
W.H.O probe		2	2	Yes 02	Adequate
Nabers probe		2	2	Yes 02	Adequate
Williams probe		2	2	Yes 02	Adequate
UNC-15 probe		4	4	Yes 04	Adequate
Gold Man fox probe		1	1	Yes 01	Adequate
Pressure sensitive probe		1	1	Yes 01	Adequate
Marquis color coded probe		1	1	Yes 01	Adequate
Supra gingival scalers	set	2	2	Yes 02	Adequate
Sub gingival scaler	set	2	2	Yes 02	Adequate
Arkansas sharpening stone		1	1	Yes 01	Adequate
<b>Surgical Instruments</b>					
Routine surgical instrument kit (Benquis periosteal elevator, periotome)	set	2	3	Yes 03	Adequate
Surgery trolleys		6	6	Yes 06	Adequate
X ray viewer		1	2	Yes 02	Adequate
Surgical cassette with sterilisation pouches		4	6	Yes 06	Adequate
Electro surgery unit		1	1	Yes 01	Adequate
<b>Special Surgical Instruments</b>					
Kirkland's knife	set	1	1	Yes 01	Adequate
Orban's knife	set	1	1	Yes 01	Adequate
Paquette blade handle		1	1	Yes 01	Adequate
Krane kaplan pocket marker	set	1	1	Yes 01	Adequate
Mc Calls universal curettes	set	1	1	Yes 01	Adequate
Gracey's curettes (No.1-18)	set	2	2	Yes 02	Adequate
Mini five curettes	set	1	1	Yes 01	Adequate
Cumine scalar		1	1	Yes 01	Adequate
Mallet		1	1	Yes 01	Adequate
Chisel		1	1	Yes 01	Adequate
Oschenbein chisel	straight, curved	1	1	Yes 01	Adequate
Schluger bone file		1	1	Yes 01	Adequate
Bone fixation screw kit		1	1	Yes 01	Adequate
Bone scraper		1	1	Yes 01	Adequate

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Bone trephines for harvesting autografts	1 set	1	1	Yes 01	Adequate
Bone regenerative materials	Bone graft and GTR membranes	5	5	Yes 04	Adequate
Local drug delivery systems	At least two different agents	1 each	1	Yes 01	Adequate
Root conditioning agent	At least two different agents	2	2	Yes 02	Adequate
Micro needle holder		1	1	Yes	Adequate
Micro scissors		1	1	Yes 01	Adequate
Magnifying loop (2.5 – 3.5)		1	2	Yes 02	Adequate
Operating microscope	optional	1	1	Yes 01	Adequate
3rd generation digital probe	optional	1	1	Yes 01	Adequate
Bone expander and bone crester	optional	1	1	Yes 01	Adequate
Distraction osteogenesis kit	optional	1	1	Yes 01	Adequate
Bone mill	optional	1	1	Yes 01	Adequate
Bone graft / membrane placement spoon		1	1	Yes 01	Adequate
Bone condenser		1	1	Yes 01	Adequate
Peizo-surgery unit	optional	1	1	Yes 01	Adequate
Centrifuge for PRP/PRF preparation	optional	1	1	Yes 01	Adequate
Soft tissue laser (8 watt)		1	1	Yes 01	Adequate
Osteotome	set optional	1	1	Yes 01	Adequate
<b>Miscellaneous Instruments</b>					
Composite gun with material kit		1	1	Yes 01	Adequate
Splinting kit with material		2	3	Yes 03	Adequate
Composite finishing kit		1	1	Yes 01	Adequate
Glass Ionomer cement		1	1	Yes 01	Adequate
Digital camera		1	1	Yes 01	Adequate
Intra Oral camera		1	1	Yes 01	Adequate
Ultrasonic cleaner		1	1	Yes 01	Adequate
Emergency kit		1	1	Yes 01	Adequate
Refrigerator		1	1	Yes 01	Adequate
X-ray viewer		2	2	Yes 01	Adequate
LCD projector		1	1	Yes 01	Adequate
Computer with internet connection with attached printer and scanner		1	1	Yes 01	Adequate
Implant Equipment				Yes	Adequate
Electrical dental chair and unit		1	1	Yes 01	Adequate
Physio dispenser		1	1	Yes 01	Adequate
Implant kit	At least two different systems	2	2	Yes 02	Adequate
Implants		10	10	Yes 10	Adequate
Implant maintenance kit (plastic instruments)		1 set	1 set	Yes	Adequate
Implant guide		1	1	Yes 01	Adequate
X-ray viewer		1	2	Yes 02	Adequate
Needle destroyer		1	2	Yes 02	Adequate
Ultrasonic cleaner capacity 3.5 lts		1	1	Yes 01	Adequate
Autoclave programmable for all recommended cycles		1	1	Yes 01	Adequate
RVG with x-ray machine		1	1	Yes 01	Adequate
Refrigerator		1	1	Yes 01	Adequate
Surgical kit		2	2	Yes 02	Adequate
Sinus lift kit		1	1	Yes 01	Adequate
Educating models		1	1	Yes 01	Adequate
Implant removing kit		1	1	Yes 01	Adequate

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Department: Oral & Maxillofacial Surgery

Name	Specification	Quantity		Details on College Website	Adequate / Inadequate
Dental Chairs and Units	Electrically operated with shadowless lamp, spittoon, 3 way syringe, instrument tray and high otorized suction, with micromotor and micro motor attachment	One chair and unit per post-graduate student and	Two chairs with unit for the faculty	Yes 41 <i>total for PG-11</i>	Adequate
		1 Unit	2 Units		
Autoclave	Front loading	2	3	Yes 03	Adequate
Fumigators		1	1	Yes 01	Adequate
Oscillating saw	With all hand pieces	1	1	Yes 01	Adequate
<b>Surgical Instruments</b>					
General surgery kit including tracheotomy kit		2	2	Yes 02	Adequate
Minor oral surgery kit		5	10	Yes 10	Adequate
Osteotomy kit		1	1	Yes 01	Adequate
Cleft surgery kit		1	1	Yes 01	Adequate
Bone grafting kit		1	1	Yes 01	Adequate
Emergency kit		1	1	Yes 01	Adequate
Trauma set including bone		2	2	Yes 02	Adequate
Plating kit		1	1	Yes 01	Adequate
Implantology kit	Minimum 2	2	2	Yes 02	Adequate
With implants	systems	10	10	Yes 10	Adequate
Distraction osteogenesis kit		1	1	Yes 01	Adequate
Peizo surgical unit		1	1	Yes 01	Adequate
Magnifying loops		1	1	Yes 01	Adequate
Operating microscope and Microsurgery kit	desirable	1	1	Yes 01	Adequate
Dermatomes		1	1	Yes 01	Adequate
Needle destroyer		2	3	Yes 03	Adequate
Ultrasonic Cleaner capacity 3.5 lts		1	1	Yes 01	Adequate
Formalin chamber		1	1	Yes 01	Adequate
Pulse oxymeter		1	1	Yes 01	Adequate
Ventilator		1	1	Yes 01	Adequate
Major operation theatre with all facilities		1	1	Yes 01	Adequate
Recovery and Intensive Care Unit with all necessary life support equipments		2 beds	2 beds	Yes	Adequate
Fibrooptic light		1	1	Yes 01	Adequate
Inpatient beds		20	20	Yes 20	Adequate
Fiber optic laryngoscope		1	1	Yes 01	Adequate
Computer with internet connection with attached printer and scanner		1	1	Yes 01	Adequate
LCD projector		1	1	Yes 01	Adequate
Refrigerator		1	1	Yes 01	Adequate
				Yes	Adequate

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Department: Conservative Dentistry and Endodontics

Name	Specification	Quantity		Details on College Website	Adequate / Inadequate
		1 Unit	2 Units		
Dental Chairs and Units	Electrically operated with shadowless lamp, spittoon, 3 way syringe, instrument tray and motorized suction, micromotor, airtor attachment with hand pieces	One chair & unit per post-graduate student and two chairs with unit for the faculty		Yes 55 <i>total for PG - 21</i>	Adequate
ENDOSONIC HANDPIECES – Micro endosonic Tips, retro treatment		2	3	Yes 03	Adequate
Mechanised rotary instruments including hand pieces (speed and torque control) and hand instruments various systems		3	6	Yes 06	Adequate
Rubber dam kit		1 per chair	1 per chair	Yes	Adequate
Autoclaves for bulk instrument sterilization vacuum (Front loading)		2	3	Yes 03	Adequate
Autoclaves for hand piece sterilization		1	1	Yes 01	Adequate
Apex locators one for every two chairs		2	4	Yes 04	Adequate
Pulp tester		2	4	Yes 04	Adequate
Equipments for injectable thermoplasticized gutta percha		1	2	Yes 02	Adequate
Operating microscopes 3 step or 5 step magnification		1	1	Yes 01	Adequate
Surgical endo kits (Microsurgery)		2	2	Yes 02	Adequate
Set of hand instruments (specifications required)		1	2	Yes 02	Adequate
Sterilizer trays for autoclave		4	4	Yes 04	Adequate
Ultrasonic cleaner capacity 3.5 lts		1	1	Yes 01	Adequate
Variable Intensity polymerization equipments - VLC units	Desirable	1	1	Yes 01	Adequate
Conventional VLC units one for every two chairs		2	4	Yes 04	Adequate
Needle destroyer		2	2	Yes 02	Adequate
Magnifying loupes one for students and one for faculty		1	2	Yes 02	Adequate
LCD projector		1	1	Yes 01	Adequate
Composite kits with different shades and polishing kits		2	4	Yes 04	Adequate
Ceramic finishing kits, metal finishing kits	In ceramic labs	2	3	Yes 03	Adequate
Amalgam finishing kits		2	3	Yes 03	Adequate
RVG with x-ray machine developing kit		1	1	Yes 01	Adequate
Chair side micro abrasion		1	1	Yes 01	Adequate
Bleaching unit		1	1	Yes 01	Adequate
Instrument retrieval kits		1	1	Yes 01	Adequate
Computer with internet connection with attached printer and scanner		1	1	Yes 01	Adequate

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Refrigerator		1	1	Yes 01	Adequate
Equipments for casting procedures				Yes	Adequate
Equipments for ceramics including induction casting machines/ burnout preheat furnaces/ wax elimination furnaces		1	1	Yes 01	Adequate
Lab micro motor/ metal grinders / sand blasters/ polishing lathes/ duplicator equipment/ vacuum investment equipments		1	1	Yes 01	Adequate
Laser (preferably hard tissue)		1	1	Yes 01	Adequate
Face bow with semi adjustable articulator		1	2	Yes 02	Adequate

**Department: Orthodontics and Dentofacial Orthopedics**

Name	Specification	Quantity		Details on College Website	Adequate / Inadequate
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		Yes 39 <i>total for Pg - 21</i>	Adequate
		1 Unit	2 Units		
Vacuum /pressure moulding unit		1	1	Yes 01	Adequate
Hydrogen soldering unit		1	1	Yes 01	Adequate
Lab micromotor		3	5	Yes 05	Adequate
Spot welders		3	5	Yes 05	Adequate
Model trimmer (Double disc)		2	3	Yes 03	Adequate
Light curing unit		2	2	Yes 02	Adequate
High intensity light curing unit		1	2	Yes 02	Adequate
Polishing lathes		2	3	Yes 03	Adequate
Tracing tables		3	5	Yes 05	Adequate
SLR digital camera		1	1	Yes 01	Adequate
Scanner with transparency adapter		1	1	Yes 01	Adequate
X-ray viewer		3	4	Yes 04	Adequate
LCD projector		1	1	Yes 01	Adequate
Autoclaves for bulk instrument Sterilization vacuum (Front loading)		1	1	Yes 01	Adequate
Needle destroyer		1	1	Yes 01	Adequate
Dry heat sterilizer		1	1	Yes 01	Adequate
Ultrasonic scaler		1	1	Yes 01	Adequate
Sets of Orthodontic pliers		3	3	Yes 03	Adequate
Orthodontic impression trays		3	5	Yes 05	Adequate
Ultrasonic cleaner capacity 3.5 lts		1	1	Yes 01	Adequate
Electropolisher		1	1	Yes 01	Adequate
Typodonts with full teeth set		3	3	Yes 03	Adequate
Anatomical articulator with face bow attachments		1	1	Yes 01	Adequate
Free plane articulators		1	1	Yes 01	Adequate
Hinge articulators		4	4	Yes 04	Adequate
Computer software for cephalometrics		1	1	Yes 01	Adequate
Computer with internet connection with attached printer and scanner		1	1	Yes 01	Adequate
Refrigerator		1	1	Yes 01	Adequate

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Department: Oral & Maxillofacial Pathology and Oral Microbiology - N/A

Name	Specification	Quantity		Details on College Website	Adequate / Inadequate
		1 Unit	2 Units		
Dental Chairs and Units	Electrically operated with shadow less lamp, spittoon, 3 way syringe, instrument tray and suction	3	6	N/A	N/A
Adequate laboratory glassware's as required for processing of biopsy specimens and staining.	Reasonable quantity should be made available				
Adequate tissue capsules / tissue embedding cassettes	Reasonable quantity should be made available				
Paraffin wax bath	thermostatically controlled	1	1		
Leuckhart pieces		10	10		
Block holders		25	25		
Microtome	Manual	1	1		
Microtome	semi - automated	1	1		
Tissue floatation water bath	thermostatically controlled	1	1		
Slide warming table		1	1		
Steel slide racks for staining		5	5		
Diamond glass marker		2	2		
Research microscope with phase contrast, dark field, polarization, image analyzer, photomicrography attachments		1	1		
Multi head microscope	Penta headed	1	1		
Binocular compound microscope		2 for faculty and one per student	4 for faculty and one per student		
Stereo microscope		1	1		
Aluminum slide trays		5	5		
Wooden / plastic slide boxes		5	5		
Wax block storing cabinet		5,000 capacity	10,000 capacity		
Slide storing cabinet		5,000 capacity	10,000 capacity		
Refrigerator		1	1		
Pipettes		5	5		
Surgical kit for biopsy		3	6		
Immuno histo chemistry lab		1	1		
Computer with Internet Connection with attached printer and scanner		1	1		
LCD projector		1	1		
<b>Desirable Equipment</b>					
Cryostat		1	1		
Fluorescent microscope		1	1		
Hard tissue microtome		1	1		
Tissue storing cabinet (frozen)		1	1		
Microwave		1	1		

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Department: Public Health Dentistry - N/A

Name	Specification	Quantity		Details on College Website	Adequate / Inadequate
Dental Chairs	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 hand piece with min 3 tips.	One chair and unit per post-graduate student and one chair with unit for the faculty		N/A	N/A
		1 Unit	2 Units		
Extraction forceps		4 sets	6 sets		
Filling instruments		4 sets	6 sets		
Scaling instruments	Supra gingival scaling	4 sets	6 sets		
Amalgamator		1	1		
Pulp tester		1	1		
Autoclave		1	1		
X-ray viewer		1	1		
Instrument cabinet		1	1		
LCD or DLP multimedia projector		1	1		
Computer with internet connection with attached printer and scanner		1	1		
<b>For peripheral dental care or field programme</b>					
Staff bus		1	1		
Mobile dental clinic fitted with at least 2 dental chairs with complete dental unit with fire extinguisher		1	1		
Ultrasonic scaler,		1	2		
Ultrasonic cleaner capacity 3.5 lts		1	1		
Compressor	One with chair				
Generator		1	1		
Public address system, audio-visual aids		1	1		
Television		1	1		
Digital Versatile Disc Player		1	1		
Instrument cabinet, emergency medicine kits, Blood pressure apparatus		1	1		
Portable oxygen cylinder		1	1		
Portable chair		1	1		
Refrigerator		1	1		

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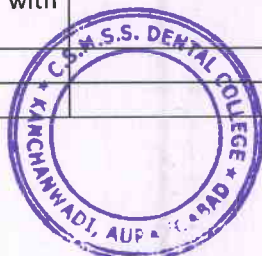


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Department: Paediatric and Preventive Dentistry N/A

Name	Specification	Quantity		Details on College Website	Adequate / Inadequate
Dental Chairs and Units	Electrically operated with shadowless lamp, spittoon, 3 way syringe, and motorised suction, student and micromotor attachment with contra angle miniature handpiece, airtor attachment with miniature handpiece, dental operator stool (40% dental chairs shall be pedo chairs)	One chair and unit per post-graduate	Two chairs with unit for the faculty	N/A	N/A
		1 Unit	2 Units		
Pedo extraction forceps sets		3	4		
Autoclaves for bulk instrument sterilization vacuum (Front loading)		1	2		
RVG with intra oral x-ray unit		1	1		
Automatic developer		1	1		
Pulp tester		2	3		
Apex locator		1	1		
Rubber dam kit	One set per student	1	1		
Injectable GP condenser		1	1		
Endodontic pressure syringe		1	1		
Glass bead steriliser		2	4		
Spot welder		2	3		
Ultrasonic scalers		2	4		
Needle destroyer		1	1		
Formalin chamber		1	1		
Ultrasonic cleaner capacity 3.5 lts		1	1		
X-ray viewer		2	3		
Amalgamator		1	2		
Plaster dispenser		2	2		
Dental lathe		1	2		
Vibrator		2	3		
Typodonts	One set per student	1	1		
Soldering unit		1	1		
Band pinching beak pliers		2 Sets	2 Sets		
Proximal contouring pliers		2	3		
Crown crimping pliers		2	3		
Double beak pliers anterior and posterior		2	3		
Lab micro motor		2	3		
Acryliser		1	2		
Magnifying loupes		1	1		
Conscious sedation unit	Desirable	1	1		
Pulse oxymeter		1	1		
Phantom head table with attached Light, Airtor and micro motor	One set per each P.G. Student	1	1		
Computer with internet connection with attached printer and scanner		1	1		
LCD projector		1	1		
Refrigerator		1	1		

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Department: Oral Medicine and Radiology

Name	Specification	Quantity		Details on College Website	Adequate / Inadequate
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		Yes 27 <i>total for PG - 11</i>	Adequate
		1 Unit	2 Units		
RVG with intra oral radiography machine (FDA Approved)	55-70 Kvp with digital compatibility	1	1	Yes 01	Adequate
Extra oral radiography machine	100 kvp	1	1	Yes 01	Adequate
Panoramic radiography (OPG) machine with cephalometric and TMJ attachment with printer	Digital compatibility	1	1	Yes 01	Adequate
Intra-oral camera		1	2	Yes 02	Adequate
Pulp tester		2	4	Yes 04	Adequate
Autoclave		1	1	Yes 01	Adequate
Punch biopsy tool		2	3	Yes 03	Adequate
Biopsy equipment		1	2	Yes 02	Adequate
Surgical trolley		2	2	Yes 02	Adequate
Emergency medicines kit		1	1	Yes 01	Adequate
Extra oral cassettes with intensifying screens (Conventional and rare earth)		4	6	Yes 06	Adequate
Lead screens		2	2	Yes 02	Adequate
Lead aprons		2	2	Yes 02	Adequate
Lead gloves		2	2	Yes 02	Adequate
Radiographic filters (Conventional and rare earth)		1	1	Yes 01	Adequate
Dark room with safe light facility		1	1	Yes 01	Adequate
Automatic radiographic film processors		2	2	Yes 02	Adequate
Radiographic film storage lead containers		1	1	Yes 01	Adequate
Thyroid collars		1	1	Yes 01	Adequate
Digital sphygmomanometer		1	1	Yes 01	Adequate
Digital blood glucose tester		1	1	Yes 01	Adequate
Digital camera		1	1	Yes 01	Adequate
X-ray viewer boxes		2	3	Yes 03	Adequate
Lacrimal probes		2 sets	2 Sets	Yes 02	Adequate
Sialography cannula		2 sets	2 Sets	Yes 02	Adequate
Illuminated mouth mirror and probe		2	2	Yes 02	Adequate
Computer with internet connection with attached printer and scanner		1	1	Yes 01	Adequate
LCD projector		1	1	Yes 01	Adequate
Refrigerator		1	1	Yes 01	Adequate

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