



## ARMY COLLEGE OF DENTAL SCIENCES

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NAAC Accredited 'A' & Certified ISO 9001 : 2015 & ISO 14001 : 2015

### Summary – Norms & Availability

Sl.no	Dept	Name of equipment	Reqd No. As per DCI	Availability
1	Department of Oral Medicine and Radiology	Dental Chairs and Units	06	09
		Panoramic X-Ray with Cephalometric (Orthopantomogram)	01	01
		Intra Oral X-ray Unit	02	02
		Pulp testers	02	02
		Automatic periapical X-ray Developer	01	01
		Automatic Panoramic with Cephalometric X-ray Developer / Digital Printer	01	01
		X-ray viewer	02	02
		Radiovisiography with Intra Oral Camera	01	01
		General X-ray Unit	01	01
		Automatic Developers/Dark Room	01	01
		Lead Aprons	02	04
		Lead Gloves	01	01
		Lead collar	02	02
		X-ray Hangers	06	06
		Diagnostic Kits	20	70
		Lead Screen	01	04
		Biopsy Kit	01	01
		Autoclave	01	01
		Needle Burner with Syringe Cutter	02	02
CBCT	(Optional)	01		
Biopsy Kit	01	01		
2	Department of Oral & Maxillofacial Surgery	Dental Chairs and Units	One chair and unit per post-graduate student and Two chairs with unit for the faculty	26
		Autoclave	02	04
		Fumigators	01	01
		Oscillating saw	01	01

		Surgical instruments General surgery kit including tracheotomy kit	01	01
		Minor oral surgery kit	05	05
		Osteotomy kit	01	01
		Cleft surgery kit	01	01
		Bone grafting kit	01	01
		Emergency kit	01	01
		Trauma set including bone plating kit	01	01
		Implantology kit with implants	02	03
		Distraction osteogenesis kit	01	01
		Peizo surgical unit	01	01
		Magnifying loops	01	01
		Dermatomes	01	01
		Needle destroyer	01	01
		Ultrasonic Cleaner capacity 3.5 lts	01	01
		Formalin chamber	01	01
		Pulse oxymeter	01	02
		Ventilator	01	01
		Major operation theatre with all facilities	01	01
		Recovery and Intensive Care Unit with all necessary life support equipments	02 beds	02 beds
		Fibrooptic light	01	01
		Inpatient beds	20	20
		Fiber optic laryngoscope	01	01
		Computer with internet connection with attached printer and scanner	01	01
		LCD projector	01	01
		Refrigerator	01	01
3	Department of Prosthodontic s and Crown & Bridge	Dental Chairs and Units	29	29
		Semi adjustable articulator With face bow	08	08
		Extra oral/intra oral tracer	02	02
		Dewaxing unit	04	04
		Curing unit/Acrylizer	04	04
		Dental casting machine	02	02
		Wax burnout furnace/ Pre heating furnace	07	07
		Surveying unit/Surveyor	03	03
		Heavy duty hand piece/micro-motors	20	20
		Autoclave	04	04

	Needle burner with syringe cutter	03	03
	CAD CAM (Optional)	01	01
	Plaster Dispenser	08	08
	Model Trimmer with Carborandum Disc	05	05
	Model Trimmer with Diamond Disc	05	05
	Lathe	03	03
	Flask press	04	04
	Deflasking unit	04	04
	Hydraulic Press	03	03
	Mechanical Press	02	02
	Vacuum mixing machine	04	04
	Hot water sterilizer	02	02
	Geyser	02	02
	Phantom heads	25	25
	Pre-clinical working tables Gas connection & bunson burner	50	50
	Duplicator	02	02
	Pindex System	02	02
	Circular saw	01	01
	Sandblasting machine	02	02
	Electro – polisher	02	02
	Induction casting machine	02	02
	Programmable porcelain furnace with vacuum pump with instrument kit and material kit	02	02
	Spot welder with soldering, attachment of cable	02	02
	Steam Cleaner	02	02
	Spindle Grinder 24,000 RPM with vacuum suction	02	02
	Wax heater	03	03
	Wax carver	01	01
	Curing pressure pot	02	02
	Milling machine	02	02
	Heavy duty lathe with suction	02	02
	Palatal trimmer	01	01
	Ultrasonic cleaner	03	03
	Composite curing unit	02	02
	Micro surveyor	01	01
	Work table preferably complete stainless steel fitted with light, Bunsen burner, air blower, working stool.	30	30
	Vibrator	04	04
	Ultrasonic scaler	02	02
	Light cures	02	02
	Hot air oven	01	01

		Refrigerator	02	02
		X-ray viewer	02	02
		Pneumatic, Crown bridge remover	02	02
		Intra oral camera	01	01
		Digital SLR camera	01	01
		Computer with internet connection with attached printer and scanner	01	01
		LCD projector	01	01
		High speed lathe	02	02
		Pressure molding machine	01	01
		Welder	01	01
		Sandblaster (Micro)	01	01
		Model trimmer with double disc (one Carborandum and one diamond disc)	01	01
		Stereo microscope	01	01
		Magnifying work lamp	01	01
		Dry model trimmer	01	01
		Die cutting machine	01	01
		Ceramic kit (instruments)	03	03
		Ceramic materials (kit)	01	01
		Ceramic polishing kit	02	02
		Physio dispenser	01	01
		Implant kit	02	02
		Implants	10	10
		Prosthetic components	10	10
		Unit mount light cure	01	01
		X-ray machine with RVG	01	01
		Prosthetic kit	02	02
Educating models	01	01		
Implant removing instruments	01	01		
4	Department of Paedodontics and Preventive Dentistry	Dental Chairs and Units	One chair and unit per post-graduate student and Two chairs with the unit for the faculty	18
		Pedo extraction forceps sets	03	03
		Autoclaves for bulk instrument sterilization vacuum (Front-loading)	01	01
		RVG with an intraoral X-ray unit	01	01
		Automatic developer	01	01
		Pulp tester	02	02
		Apex Locator	01	02
		Rubber dam kit	One per student	06
Injectable GP condenser	01	01		

		Endodontic pressure syringe	01	01
		Endodontic pressure syringe	01	01
		Spot welder	02	02
		Ultrasonic scalers	02	02
		Needle destroyer	01	01
		Formalin Chamber	01	01
		Ultrasonic cleaner capacity 3.5 lts	01	01
		X-ray viewer	02	02
		Amalgamator	01	01
		Plaster dispenser	02	02
		Dental lathe	01	01
		Vibrator	02	02
		Typodonts	01	06 Pedo + 06 Permanent
		Soldering unit	01	01
		Band pinching beak pliers	02 Sets	02 sets
		Proximal contouring pliers	02	02 sets
		Crown crimping pliers	02	02 sets
		Double beak pliers anterior and posterior	02	02 sets
		Lab micro motor	02	02
		Acryliser	01	01
		Magnifying loupes	01	02
		Conscious sedation unit	01	01
		Pulse oxymeter	01	01
		Phantom head table with attached Light, Airotor and micro motor	01	03
		Computer with internet connection with attached printer and scanner	01	01
		LCD projector	01	01
Refrigerator	01	01		
5	Department of Orthodontics & Dentofacial Orthopedics	Dental Chairs and unit	BDS : 09 MDS: One chair & unit per PG student and Two chairs with unit for the faculty	18
		Vacuum /pressure moulding unit	01	01
		Hydrogen soldering unit	01	01
		Lab micromotor	03	03
		Spot welders	03	03
		Model trimmer (Double disc)	02	02
		Light curing unit	02	02

		High intensity light curing unit	01	01
		Polishing lathes	02	02
		Tracing tables	03	04
		SLR digital camera	01	01
		Scanner with transparency adapter	01	01
		X-ray viewer	03	04
		LCD projector	01	01
		Autoclaves for bulk instrument Sterilization vacuum (Front loading)	01	01
		Needle destroyer	01	01
		Dry heat sterilizer	01	01
		Ultrasonic scaler	01	01
		Sets of Orthodontic pliers	03	04
		Orthodontic impression trays	03	04
		Ultrasonic cleaner capacity 3.5 lts	01	01
		Electropolisher	01	01
		Typodonts with full teeth set	03	03
		Anatomical articulator with face bow attachments	01	01
		Free plane articulators	01	01
		Hinge articulators	04	04
		Computer software for cephalometrics	01	01
		Computer with internet connection with attached printer and scanner	01	03
		Refrigerator	01	01
		INTRAORAL SCANNER- MEDIT i500	01	01
6	Department of Oral Pathology & Microbiology	Dental Chairs and Units	01	01
		Slides	100	100
		Slides Boxes	04	18
		Microscopes	25	36
		Microtome	01	01
		Wax bath	01	01
		Water bath	01	01
		Knife sharpner	01	01
		Hot plate	01	01
		Spencer knife	01	03
		Adequate slides projection system	01 (Preferable)	01
		Television With USB port For displaying slide	01	01
		Teaching slides set with box	02 Sets (with minimum of 55 slides in each set)	02
		Education models & dental developmental set (Nissan like	03	16

		model)		
		Organic Tissue Capsule	01	108
		Diamond Tip Pencil	01	01
		Glass Dropper Bottle	03	12
		Glass Bottle With Lid	03	12
		Wide Mouth Bottles	03	13
		Glass Funnel	03	03
		Glass Pipette	03	03
		Glass Measuring Jar	03	04
		Petri Dish 4" Glass	03	03
		L Blocks	02	15
		Magnifying Glass	01	01
		Toothed Forceps	02	02
		Plastic Dropper	02	02
		Gas burner/Spirit Lamp	01	03
		Processing Bottles	03	05
		Slide Drying Tray	01	01
		Slide Carrying Tray	01	01
		Staining Basket SS	01	01
		Staining Trough SS	01	01
		Staining Trough Glass	01	04
		Slides Storage Cabinet	01	02
		Wax Block Storing Cupboard	01	01
		Microscope –Trinocular With all attachments	01	01
		Desktop Computer	01	01
7	Department of Periodontology	Dental chairs and units	11	11
		Autoclave (fully automatic) front loading	01	03
		Steel bin	04	04
		Airoter hand pieces	02	02
		UV chamber	01	01
		Formalin chamber	01	01
		W.H.O probe	02	02
		Nabers probe	02	02
		Williams probe	02	06
		UNC – 15 probe	04	04
		Gold man fox probe	01	01
		Pressure sensitive probe	01	01
		Marquis color coded probe	01	01
		Supra gingival scalers	02	05
		Sub gingival scaler	02	04
		Arkansas sharpening stone	01	02
		Routine surgical instrument kit (benquis periosteal elevator, periotome)	02	02

	Surgery trolleys	06	06
	X rays viewer	01	01
	Surgical cassette with sterilization pouches	04	04
	Electro surgery unit	01	01
	Kirklands knife	01	01
	Orbans knife	01	01
	Paquette blade handle	01	01
	Krane Kaplan pocket marker	01	01
	Mc calls universal curettes	01	01
	Gracey's curettes	02	02
	Mini five curettes	01	01
	Cumine scaler	01	01
	Mallet	01	01
	Chisel	01	01
	Oschenbein chisel	01	01
	Schluger bone file	01	01
	Bone fixation screw kit	01	01
	Bone scraper	01	01
	Bone trephines for harvesting autografts	01	01
	Bone regenerative materials	05	05
	Local drug delivery system	01 (each)	01 (each)
	Root conditioning agent	02	02
	Micro needle folder	01	01
	Micro sissors	01	01
	Magnifying loop (2.5 – 3.5)	01	01
	Operating microscope	01	01
	3 <sup>rd</sup> generation digital probe	01	01
	Bone expander and bone crester	01	01
	Distraction ostegenesis kit	01	01
	Bone mill	01	01
	Bone graft / membrane placement spoon	01	01
	Bone condenser	01	01
	Piezo surgery unit	01	01
	Centrifuge for PRP/PRF prepration	01	01
	Soft tissue laser (8 watt)	01	01
	Osteotome	01	01
	Composite gun with material kit	01	01
	Splinting kit with material	02	02
	Composite finishing kit	01	01
	Glass ionomer cement	01	01
	Digital camera	01	01
	Intra oral camera	01	01
	Ultra sonic cleaner	01	01
	Emergency kit	01	01



		Refrigerator	01	01
		X ray viewer	02	02
		LCD projector	01	01
		Computer with internet connection with attached printer and scanner	01	01
		Implant equipment	01	01
		Electrical dental chair and unit	01	01
		Physio dispenser	01	01
		Implant kit	02	02
		Implants	10	10
		Implant maintenance kit (plastic instruments)	1 set	1 set
		Implant guide	01	01
		X – ray viewer	01	01
		Needle destroyer	01	01
		Ultrasonic cleaner capacity 3.5 lits	01	01
		Autoclaved programmable for all recommended cycles	01	01
		RVG with X –ray machine	01	01
		Refrigerator	01	01
		Surgical kit	02	01
		Sinus lift kit	01	01
		Educating models	01	01
		Implant removal kit	01	01
8	Department of Conservative Dentistry & Endodontics	Autoclave-(20L)- Autoclaves for bulk instrument sterilization vaccum (Front loading)-	04	04
		Autoclaves for handpiece sterilization	01	02
		Amalgamator	02	03
		Apex locators	03	03
		Amalgam finishing kit	02	02
		Automatic developer	01	01
		Bleaching unit	02	02
		Burnout furnace	01	03
		Casting machine		
		Equipment for casting procedure machine	02	02
		Chairside micro abrasion	01	01
		Conventional VLC units one for every two chairs	02	02
		Composite kits with different shades and polishing kits	02	03
		Ceramic finishing kits		
		Metal finishing kits	02	02
		Computer with internet connection with attached printer and scanner	01	01
		Dental Chairs and Units-UG,PG	28	33

	Endomotor Mechanised rotary instruments including handpieces (speed and torque control) and hand instruments various systems-PG	04	08
	Endosonic handpieces -micro endosonic tips, retro treatment	02	02
	Injectable gutta-percha Equipments for injectable thermoplasticized gutta percha-PG	02	04
	Ceramic unit Equipments for ceramics including induction casting machine/burnout preheat furnace/wax elimination furnace-	02	02
	Facebow with semi adjustable articulator	01	01
	Glass bead sterilizers	04	05
	Instrument retrieval kit	01	02
	Intra oral X-ray unit	01	04
	Laser (Preferably hard tissue)	01	01
	LCD projector	01	01
	Magnifying loupes Magnifying loupes one for students and one for faculty-PG	02	02
	Model trimmer-carborundum disc- Diamond disc-	01	01
	Needle destroyer-	04	04
	Plaster dispensers	02	03
	Operating microscope 3 step or 5 step magnifications	01	03
	Porcelain furnace	01	01
	Phantom lab unit	30	42
	Pulptester	04	04
	Refrigerator	01	02
	Rubber dam kit	15	15
	Restorative instruments kits Set of Hand instruments	06	06
	RCT instrument kits-	05	05
	RVG with computer RVG with x-ray machine developing kit	02	02
	Lab Micromotor with heavy duty handpiece Lab micromotor	03	05
	Sand blaster	01	01
	Polishing lathe heavy duty	02	02

		Polishing lathe		
		Vaccum investment equipment	01	02
		Sterilization trays for autoclave	04	04
		Surgical endo kit	02	03
		Ultrasonic cleaner (13L) (5L) (3.5L)	03	03
		Variable intensity polymerization equipments-VLC Units	01	02
		Vibrator	01	02
		Dental Chairs and Units-	08	08
		Autoclaves- Having wet and dry cycle,which can achieve 135 degrees centigrade with minimum capacity of 20 lit	01	01
		Needle Burner	01	01
		Ultrasonic cleaner: Minimum capacity 13lit with mesh with digital timer	01	01
		Needle burner with syringe cutter	01	01
		Mobile dental van0	0	
9	Department of Public Health Dentistry	a) Dental chairs with unit		
		Hydraulically 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 shawdoless lamp,suction,airotor		
		b) Autoclave	01	01
		c) Intraoral x-ray- Portable ,70KV, 8mA	01	01
		d) Glass bead Sterlizer	01	01
		e) Compressor	01	01
		f) Metal Cabinet-1.2HP	01	01
		g) Portable dental chair- Suitcase unit with airotor,micromotor,scaler and compressor 0.25HP	02	02
		h) Stablizer-4kv	01	01
		i) Generator	01	01
		j) Water tank	01	01
		k) Oxygen cylinder	01	01

		l) Public address system	01	01
		m) TV and video cassette player	01	01
10	Department of Human Anatomy, Embryology, Histology, Medical Genetics	DISSECTION HALL Dissection table-stainless steel tables with drainage for cadavers dissection	2 large 2 small	5 large
		Educational models	06	06
		CADAVERS ROOM Large storage tank	01	01
		Small tank	01	01
		Freezer unit	01	01
		Dissection microscopes	03	03
		MUSEUM Full body skeletal bones	02	02
		Head and neck bones set	02	02
		Complete Human organs specimen set	01	01
		11	Department of Human Physiology	Microscope
Stage incubator	01			01
Westergren's pipettes for ESR on stand	3 ESR stand 10 pipettes			40 stands 38 pipettes
Wintrob's tubes	10			36
Haemoglobinometer Sahli's	25			39
Haemocytometer	25			25
Sphygmomanometer	15			15
Stethoscope	15			17
Refrigerator	01			01
Stop watches	15			15
pH meter	01			01
Analytical balance	01			01
Centrifuge R4c and R8c	01			01
Blood cell counter	01			01
Glass wares	25			25
Clinical thermometer	05			05
Knee hammer	03			19
Spiro meter (ordinary)	02			03
Mosso's Ergo graph	01			01
Ophthalmoscope	01			01
Dynamometer	01			01
Perimeter	01			01
Hair aesthesiometer	02			02
Bicycle ergo meter	01			01
Examination couches	03			03
Sterilizer	01			01
Weighing machine	02			02
Height chart	01	01		
Snellen's chart	01	05		
12	Department of	Glass wares – Test Tubes	500	TEST

	Biochemistry, Nutrition & Diatics			TUBES/725
		Glass wares – Measuring Cylinder	100	Measuring cylinders 110/
		Glass wares – Amber Bottles	10	Amber bottles 11/
		Glass wares – Glass Rods	25	Glass rods 28/
		Glass wares – Funnels	100	Funnels 128/
		Glass wares – Beakers	200	Beakers 272/
		Glass wares – Plain Bottles	100	Plain bottles 127/
		Micropipettes	03	10
		Water bath	02	02
		Distillation Apparatus	02	02
		Balance	02	02
		Fridge	01	01
		Colorimeter	03	04
		Microscopes	03	03
		Electrophoresis apparatus	02	02
		Urinometer	10	10
		Centrifuge	01	01
		Incubator	01	01
		Hot air oven	02	02
		Gas burners	02	40
Fume Cupboards	01	01		
13	Department of Pharmacology	Beakers	50	50
		Funnel	15	15
		Glass Rod Medium/Small	50	50
		Measuring Cylinder	30	30
		Measuring Cylinder 500ml	1	01
		Mortar and Pestle	25 each	25
		Pasteur pipette pack of 100	2	02
		Pipette 1 ml	50	50
		Reagent bottle with lid – Narrow Mouth	50 each	50
		Reagent bottle with lid – Wide Mouth	25	48
		Reagent bottle with lid – Wide Mouth	50 each	50
		Test Tubes (Medium)	25	25
		Wash Bottle	40	40
		Transparent Dispensing Box	25	25
		Dispensing Balance	25	25
		Dispensing Weight box	25	25
		Electronic balance	01	01
		Water bath	01	02
		Wax paper bundles	03	03
		14	Department of	Glass pipettes

	General Pathology	Conical flask		
		Coupling jar	25	32
		Wintrob's tubes	15	24
		Dropper bottles	10	57
		Micropipettes	15	33
		Hemometer pipettes	25	25
		Microscope	10	20
		Incubator	15	25
		Centrifuge	01	01
		Haemocytometer	01	01
		Hemometer	10	16
		Water bath	10	20
		Electronic weigh scale	01	01
		Spirit lamp	05	05
		Test tube stand	03	15
		Counting chamber	25	40
		Lancets	05	16
15	Department of Microbiology	Monocular Microscope	1 pack	3 pack
		Microscope binocular	25	25
		Incubator	01	01
		Double door refrigerator	01	01
		Autoclave (small)	01	01
		Water bath	01	01
		Anaerobic jar	01	01
		Centrifuge	01	01
		Bio safety cabinet	01	01
		Hot Air oven	01	01
		Hot plate	01	01

*[Signature]*  
Principal

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