




Republic of the Philippines
CAVITE STATE UNIVERSITY
 Don Severino delas Alas Campus
 Indang, Cavite



CAVITE STATE UNIVERSITY – COLLEGE OF MEDICINE

**SUPPLY AND DELIVERY OF HUMAN AND ANIMAL TEACHING SYSTEM FOR
 COLLEGE OF MEDICINE**



ABC LOT: P4,500,000.00

Item No.	Qty./ Unit	Photo	Specifications	Unit Price (Php)	Total Price (Php)
1	1 set		<p>Human and Animal Teaching System</p> <p>Includes:</p> <p>1. 1 set of Data Acquisition Unit</p> <p>PRODUCT DESCRIPTION</p> <p>The data acquisition unit features 4 general purpose inputs</p> <ol style="list-style-type: none"> a. a dual Bio Amp b. isolated stimulator c. trigger input d. an analog output (non-isolated). <p>It also includes an I2C port for connection to AD Instruments' range of Front Ends. It features a durable aluminum enclosure and ships with</p> <ol style="list-style-type: none"> a. a Stimulating Bar Electrode b. Pulse Transducer c. Shielded Bio Amp Cable d. Shielded Lead Wires (5) e. Smart Adapter (2) f. Cable (2m) <p>The data acquisition unit uses a USB interface for connection to Windows and has an aggregate sampling rate of 400k samples/s (100k samples/s per channel). The Bio Amp and Isolated Stimulator are certified safe for human connection, BF rated. General purpose inputs 3 &</p>	P4,500,000.00	P4,500,000.00



			4 are shared with the built-in dual Bio Amp.		
			<p>2. 1 set of Physiology Accessory Kit for Teaching Data Acquisition Unit</p> <p>PRODUCT DESCRIPTION</p> <p>The Physiology Accessory Kit contains all the components required to perform standard physiology experiments using a teaching data acquisition unit.</p> <p>Includes:</p> <ul style="list-style-type: none"> • Grip Force Transducer • Finger Pulse Transducer • Push Button Switch • Respiratory Belt • Reusable ECG Electrodes (3) • Dry Earth Strap • EEG Flat Electrodes (5) • Electrode Cream • Electrode Paste (3) • Abrasive Gel • Disposable ECG Electrodes (100) • Cardio Microphone • Sphygmomanometer • 12-Lead ECG Switch Box • Tendon Hammer • Skin Temperature Probe • Thermistor Pod 		
			<p>3. 1 set of Human Respiratory Kit</p> <p>PRODUCT DESCRIPTION</p> <p>The Human Respiratory Kit allows recording and analysis of respiratory parameters such as minute ventilation and tidal volume along with the calculation of PIF, PEF, FVC and</p>		



			<p>FEV1 using the LabChart Spirometry Extension (Win & Mac).</p> <p>The kit includes:</p> <ul style="list-style-type: none"> • Spirometer Pod • Respiratory Flow Head • Student Disposable Respiratory Kit (5) • Clean Bore • Disposable Filters (50pcs) 		
			<p>4. 1 set of Nerve & Muscle Kit III</p> <p>PRODUCT DESCRIPTION</p> <p>The Human Respiratory Kit allows recording and analysis of respiratory parameters such as minute ventilation and tidal volume along with the calculation of PIF, PEF, FVC and FEV1 using the LabChart Spirometry Extension (Win & Mac).</p> <p>The kit includes:</p> <ul style="list-style-type: none"> • Spirometer Pod • Respiratory Flow Head • Student Disposable Respiratory Kit (5) • Clean Bore • Disposable Filters (50pcs) 		
			<p>5. 1 set of Pharmacology Kit I</p> <p>PRODUCT DESCRIPTION</p> <p>Suitable for conducting isolated tissue and pharmacological experiments. Ideal for dose response pharmacological investigations on isolated tissue.</p> <p>Kit Includes:</p> <ul style="list-style-type: none"> • Single Chamber Organ Bath (25mL) 		



Republic of the Philippines
CAVITE STATE UNIVERSITY
 Don Severino delas Alas Campus
 Indang, Cavite

			<ul style="list-style-type: none"> • Bridge Pod • Teaching Force Transducer (10mg-25g) 		
			<p>6. 1 unit of Lt Labstation</p> <p>PRODUCT DESCRIPTION</p> <p>Lt LabStation is a laboratory-based education platform designed to be used with data acquisition unit. It enables educators to create their own experiments for their students to complete in the lab. Lt LabStation also allows educators access to an online library of high-quality lessons that can be edited to suit their laboratory course. Developed using the same technology as our online learning solution (Lt), Lt LabStation gives educators and their students a modern lab experience.</p> <p>7. 50 licenses of Online for 50 students – Access and Physiology / Pharmacology Content Pack</p> <p>PRODUCT DESCRIPTION</p> <p>Subscription (web-based) allows access to all software features, including standard lesson templates, authoring tools for content creation and analytics and assessment tools for evaluating and documenting student progress. Access to is governed by the terms and conditions details in the Framework Subscription Agreement (FSA) and Subscription Form.</p>		



Republic of the Philippines
CAVITE STATE UNIVERSITY
Don Severino delas Alas Campus
Indang, Cavite

			<p>This will include content pack that gives you access to Physiology and Pharmacology content including Human, Animal and Exercise Physiology. content including Human, Animal and Exercise Physiology.</p> <p>EXPERIMENTS THAT CAN BE PERFORMED ARE:</p> <ul style="list-style-type: none">• Human Physiology<ul style="list-style-type: none">• Airflow• Autonomic Nervous System• Blood Counting• Blood Clotting• Blood Pressure• Breathing• Cardiovascular Effect of Exercise• Cardiorespiratory Effects of Exercise• Introduction to Fitness Testing• Diving Response• Electroencephalography• Endocrine Physiology• Glucose Absorption• Heart & ECG Lab• Heart & Peripheral Circulation• Heart Sounds• Kidney & Urine• Mechanics of Ventilation• Muscle & EMG• Peripheral Nerve Function• Reflexes & Reaction Times• Sensory Illusion• Sensory Physiology• Skeletal Muscle Function• Brain Structures & Reflexes• Water Balance		
--	--	--	---	--	--



Republic of the Philippines
CAVITE STATE UNIVERSITY
Don Severino delas Alas Campus
Indang, Cavite

			<ul style="list-style-type: none">• Animal Physiology<ul style="list-style-type: none">• Earthworm Smooth Muscle• Earthworm Action Potential• Frog Heart• Frog Nerve• Frog Neuromuscular Junction• Frog Skeletal Muscle• Gin Trap Closure Reflex• Pharmacology<ul style="list-style-type: none">• Airways Resistance• Mammalian Heart• Mammalian Uterus• Toad Rectus Abdominis• Unstimulated Ileum• Unstimulated Rat Deferens• Vascular Smooth Muscle <p>Includes:</p> <ul style="list-style-type: none">• Laboratory Staff and Faculty Members Training• Maintenance and after sales care for at least 5 years• Warranty at least 5years		
--	--	--	--	--	--