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PROJECT PROCUREMENT MANAGEMENT PLAN


SUPPLY, DELIVERY AND INSTALLATION OF VARIOUS LABORATORY EQUIPMENT
(DEPARTMENT OF BIOLOGICAL SCIENCES)

ABC – ₱1,615,792.48

Project Brief Description/Specifications:

The aim of this project is to provide students with first-hand learning experience, having science laboratory equipment teaches students how to make a scientific argument. Conducting experiments, reviewing them closely, developing logical reasoning, and responding to analytical comments, are some of the valuable skills that help in preparing the next generation of scientists, engineers, and medical professionals.

Item No.	Qty	Photo	Item Description	Specifications	Price (Php)	Total Price (Php)
1	1		BRANDED COMPUTER SET, 10th Gen Intel Core i7-12700; Memory: 8GB; Storage: 256GB M.2 2280 PCI-E SSD + 1 TB 3.5-inch 7200RPM	<p>Processor: Intel Core i7-12700 processor, 12 cores 20 Threads, 25MB L3 Cache, 2.1GHz Base up to 4.9GHz Max Frequency</p> <p>Mother Board: Intel H610 Chipset</p> <p>Memory: 8GB DDR4 3200MHz</p> <p>Storage: 256GB M.2 2280 PCI-E SSD + 1 TB 3.5-inch 7200RPM</p> <p>Graphics: GeForce GT1030 2GB</p> <p>Display: 24" LED Monitor</p> <p>Audio: Integrated high-definition, 5.1-channel surround sound</p>	60,000.00	60,000.00

				<p>WLAN: 802.11ac/a/b/g/n wireless LAN and Bluetooth</p> <p>LAN: Gigabit Ethernet</p> <p>Front/Side I/O connectors - Card reader - Audio jack - USB 3.2 Gen2 Type A port - USB 3.2 Gen2 Type C port</p> <p>Rear I/O connectors - HDMI port - LAN port - Audio jack - USB 2.0 Type A port - USB 3.2 Gen1 Type A port - Number of PCIe x16 slot - Number of PCIe x1 slot - M.2 slot (for SSD) - M.2 slot (for WLAN)</p> <p>Operating System: Windows 11 Home with MS Office Home & Student 2021 (Licensed)</p>		
2	2		<p>LAPTOP, AMD Ryzen 7 5700U; Memory: 8GB RAM; Storage: 512GB SSD; with free office</p>	<p>Microprocessor: AMD Ryzen 7 5700U (up to 4.3 GHz max boost clock(2i), 8 MB L3 cache, 8 cores, 16 threads)</p> <p>Chipset: AMD Integrated SoC</p> <p>Memory: 8 GB DDR4-3200 MHz RAM (1 x 8 GB)</p> <p>Video Graphics: AMD Radeon Graphics Integrated</p> <p>Storage: 512 GB PCIe SSD</p>	47,000.00	94,000.00

Display: 39.6 cm (15.6") diagonal, FHD (1920x1080), micro-edge, anti-glare, 250 nits, 45% NTSC

Wireless connectivity:
Realtek
RTL8822CE
802.11a/b/g/n/ac (2x2) WiFi and Bluetooth 5 Combo

Expansion Slots:
1 multi-format SD media card reader

External ports: 1 SuperSeed USB Type-C 5Gbps signaling rate; 2 SuperSeed USB Type-A 5Gbps signaling rate; 1 HDMI 1.4b;1

AC smart pin: 1 Headphone/microphone combo

Power Supply:
45w Smart AC power Adapter

Battery Type: 3-cell, 41 Wh Li-ion


Battery life mixed usage: Up to 9 Hours and 30 min.


Video Playback Battery life: Up to 9 hours



Webcam: HP True Vision 720p HD Camera with integrated dual array digital microphones


Audio: Dual Speakers



Software Operating System: Windows 11 Home (Licensed)
Software Included: McAfee LiveSafe


				Free: MS Office Home and Student 2021 (Licensed) and Backpack		
3	1		Autoclave, Digital.	<p>Operating temperature range (during sterilizing): 105 - 132°C</p> <p>Operating pressure range: 0 - 186kPa</p> <p>Maximum operating pressure: 200kPa</p> <p>Temperature control: Digital, microprocessor controlled</p> <p>Temperature display / display range: Digital / -15 - 180°C</p> <p>Pressure display / display range: Analog / 0 - 400kPa</p> <p>Heat source: 2.0kW electric heater</p> <p>Timer control: Digital, microprocessor controlled</p> <p>Timer display: Digital</p> <p>Timer display range Sterilizing mode: 1 - 240min. or continuous</p> <p>Sterilizing-warming mode: 1 - 240min. (sterilizing) / 1 - 8hours (warming)</p> <p>Heating mode: 1 - 8hours</p>	475,000.00	475,000.00

				<p>Start-timer setting range: 1 – 99 hours in each operation mode</p> <p>Accessories/Inclusions:</p> <ul style="list-style-type: none"> • Stainless steel basket with slatted bottom plate 1, • Water level sensor 1, • Inspection sheet 1, • Warranty card 1, • Customer 1, • Operator's manual 1, • Clear plastic accessory case 1, • Attachment screw for clear plastic accessory case 1 plastic accessory case 1 Stainless basket 2 (φ300 x 182mm) 		
4	1		Analytical Balance,	<p>Capacity: 0~500g</p> <p>Readability: 1mg</p> <p>Calibration: External Calibration</p>	150,418.48	150,418.48


5	1		Sterilizing Oven. Programmable.	Temperature Range: Ambient Temp +70°C / 250°C Temperature Set and Display Sensitivity: 1°C Temperature Variation @150°C: ±2°C Temperature Fluctuation: ±1°C Programmable Alarm Limits: ±2°C / 10°C Timer: 1 minute – 99.9 hours + Hold Position Delayed Start Timer: 1 minute – 99.9 hours Useful Volume, liters: At least 50 Number of Shelves (Standard/ Max): 2/7 Internal Material: Stainless Steel External Material: Electrostatic Powder Coated Steel Sheet	103,047.04	103,047.04
6	7		Stereomicroscope	Heads Binoculars and trinoculars 360° rotating and 45° inclined. Interpupillary distance Adjustable between 51 and 75 mm. Dioptric compensation On both eyepiece tubes (bino & trino). Eyepieces EWF10x/20 mm (high point) for people wearing spectacles. Objectives Parfocal achromatic zoom 0.7x, 4.5x (6,428:1 zoom factor). Specimen stage:	50,000.00	350,000.00

				<p>Models with illumination are fitted with a black/white disc for contrast, specimen clamps and a frosted glass disc for transmitted light.</p> <p>Focusing By means of a rack and pinion controlled by a pair of knobs placed on both sides.</p> <p>230V/50Hz power supply.</p> <p>Working Distance: 100 mm Stand Illumination: Incident: high power X-LED3; Transmitted: 40mm LED diffusing disc.</p>		
7	3		USB Camera for Stereomicroscope.	<p>PC Camera resolution (MP): 10 MP</p> <p>USB Signal output: USB 2.0</p> <p>Color / Monochrome: Color</p> <p>Sensor Size:1/2.3"</p> <p>Sensor Technology: CMOS</p>	38,442.32	115,326.96

8	1		AUTOCLAVE, Pressure Cooker,	<p>Capacity: at least 40ltrs</p> <p>Inside Height: 14.25 inch</p> <p>Overall Height: 19 inches</p> <p>Weight: 33 lbs.</p> <ul style="list-style-type: none"> • Gasket Free Metal-to-Metal sealing system • 941 has Heavy Duty Cast Aluminum construction that provides fast and even heating • The sturdy phenolic top handle keeps your hand safe from burns • 5, 10 and 15 psi pressure regulator weight • Easy-to-read geared steam gauge • Automatic overpressure venting features for safety 	35,000.00	35,000.00
9	4		Laboratory Steel Cabinet with Glass Door. H1800*W900*D450mm	<p>Size for cabinet: H1800*W900*D450 mm</p> <p>Thickness:1.0 mm cold roll steel</p> <p>Color: RAL or Pantone color; per customer's requirement</p> <p>Handles: Gray handles/Metal locks/Aluminum handles.</p> <p>Lock for file cabinet: 3-point lock, combination lock, code lock, digital lock, normal key lock and so on.</p> <p>Surface: Electrostatic powder coating surface.</p>	52,000.00	208,000.00


10	1		STORAGE CABINET, approx. 69" X 39 3/8" X 18", steel	Size: 4 layers Material: Cold rolled sheet, gauge 22 Surface: Environment protection powder coated Color: pantone Accessories: Handle and lock; gray, aluminum	25,000.00	25,000.00
					GRAND TOTAL	1,615,792.48


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