Aviation Maintenance Technolo	ogy	,								
I. Apply knowledge of basic aviation electricity to FAA general aviation	on c	omp	oete	ncie	s					
Tasks Instructions:										
Each number to the right refers to a single student/candidate (1-10). Place a check (/) in the respective column for the appropriate student/candidate number (1-10) if the skills listed below are observed as stated. Leave blank if not observed. Student/candidate will only get credit for the skills they have demonstrated.	1	2	3	4	5	6	7	8	9	10
Calculate and measure capacitance and inductance										
Calculate and measure electrical power										
Measure voltage, current, resistance and continuity										
Determine the relationship of voltage, current and resistance in electrical circuits										
Read and interpret aircraft electrical circuit diagrams including solid state devices and logic functions										
Inspect and service batteries										
Safety and infection control are adhered to during all aspects of this task.										
The student completed task within the time limited.										
Points earned										
Total possible points (8)										
II. Interpret aircraft drawings to FAA general aviation competencies         Tasks Instructions:										
	1	2	3	4	5	6	7	8	9	10
Use aircraft drawings, symbols and system schematics										

Draw sketches of repairs and alterations										
Use blueprint information										
Use graphs and charts										
Safety and infection control are adhered to during all aspects of this task.										
The student completed task within the time limited.										
Points earned										
Total possible points (6)										
III. Use weight and balance knowledge to FAA general aviation compo	eten	cies	5							
Tasks Instructions:										
	1		1	1	1		1	1	1	
	1	2	3	4	5	6	7	8	9	10
Weigh aircraft										
Perform complete weight-and-balance check and record data										
Safety and infection control are adhered to during all aspects of this task.										
The student completed task within the time limited.										
Points earned										
Total possible points (4)										
				•				•		
IV. Demonstrate the ability to install fluid lines/fittings to FAA general	avi	atio	n co	mp	eten	cies	5			
Tasks Instructions:										
		_	_		_	<u>^</u>	-			10
	1	2	3	4	5	6	7	8	9	10
Fabricate and install rigid and flexible fluid lines and fittings										
Safety and infection control are adhered to during all aspects of this task.						<u> </u>				
The student completed task within the time limited.										

Points earned										
Total possible points (3)										
										L
V. Demonstrate a knowledge of materials and processes to FAA gene	eral a	viat	ion	con	npet	enc	ies			
Tasks Instructions:										
	1	2	3	4	5	6	7	8	9	10
Identify and select appropriate nondestructive testing methods										 
Perform dye penetrant, eddy current, ultrasonic and magnetic particle inspections										
Perform basic heat-treating processes										
Identify and select aircraft hardware and materials										
Inspect and check welds										
Perform precision measurements										
Safety and infection control are adhered to during all aspects of this task.										
The student completed task within the time limited.										
Points earned										
Total possible points (8)										
	·		•		•		•			
VI. Demonstrate knowledge of ground operation and servicing to FA	A ge	nera	al av	viatio	on c	om	oete	ncie	es	
Tasks Instructions:										
	1	2	3	4	5	6	7	8	9	10
Start, ground operate, move, service and secure aircraft and identify typical ground operation hazards										
Identify and select fuels										
Safety and infection control are adhered to during all aspects of this task.										
The student completed task within the time limited.										

Points earned										
Total possible points (4)										
									1	
VII. Demonstrate knowledge of cleaning and corrosion control to FAA	. ger	nera	l avi	atio	n co	omp	eter	ncie	s	
Tasks Instructions:										
	1	2	3	4	5	6	7	8	9	10
		-						Ū	Ŭ	
Identify and select cleaning materials										
Inspect, identify, remove and treat aircraft corrosion and perform aircraft cleaning										
Safety and infection control are adhered to during all aspects of this task.										
The student completed task within the time limited.										
Points earned										
Total possible points (4)										
	<b>I</b>							1		
VIII. Use maintenance forms and records to FAA general aviation con	npet	enc	ies							
Tasks Instructions:										
	1	2	2	4	5	6	7	0	9	10
	1	2	3	4	5	0	/	8	9	10
Write descriptions of work performed including aircraft discrepancies and corrective actions using typical aircraft maintenance records										
Complete required maintenance forms, records and inspection reports										
Safety and infection control are adhered to during all aspects of this task.										
The student completed task within the time limited.										
Points earned										
Total possible points (4)										
	1	1	1	1	1	1	1	1	1	L
IX Recall knowledge of basic physics to FAA general aviation compe	tenc	ies								

Tasks Instructions:

	1	2	3	4	5	6	7	8	9	10
Use and understand the principles of simple machines										
Explain the principles of sound, fluid and heat dynamics										
Explain basic aerodynamics and aircraft structures										
Describe the theory of flight										
Safety and infection control are adhered to during all aspects of this task.										
The student completed task within the time limited.										
Points earned										
Total possible points (6)										
X. Use maintenance publications to FAA general aviation competencie	es									
X. Use maintenance publications to FAA general aviation competencies	es									
	es									
	es									
	es 1	2	3	4	5	6	7	8	9	10
Tasks Instructions: Demonstrate ability to read, comprehend and apply information contained in FAA and manufacturers' aircraft maintenance specifications, data sheets, manuals,		2	3	4	5	6	7	8	9	10
Tasks Instructions: Demonstrate ability to read, comprehend and apply information contained in FAA		2	3	4	5	6	7	8	9	10
Tasks Instructions: Demonstrate ability to read, comprehend and apply information contained in FAA and manufacturers' aircraft maintenance specifications, data sheets, manuals, publications and related federal guidelines		2	3	4	5	6	7	8	9	10
Tasks Instructions:         Demonstrate ability to read, comprehend and apply information contained in FAA and manufacturers' aircraft maintenance specifications, data sheets, manuals, publications and related federal guidelines         Use aviation regulations, airworthiness directives, and advisory material		2	3	4	5	6	7	8	9	10
Tasks Instructions:         Demonstrate ability to read, comprehend and apply information contained in FAA and manufacturers' aircraft maintenance specifications, data sheets, manuals, publications and related federal guidelines         Use aviation regulations, airworthiness directives, and advisory material         Read technical data		2	3	4	5	6	7	8	9	10
Tasks Instructions:         Demonstrate ability to read, comprehend and apply information contained in FAA and manufacturers' aircraft maintenance specifications, data sheets, manuals, publications and related federal guidelines         Use aviation regulations, airworthiness directives, and advisory material         Read technical data         Safety and infection control are adhered to during all aspects of this task.		2	3	4	5	6	7	8	9	10
Tasks Instructions:         Demonstrate ability to read, comprehend and apply information contained in FAA and manufacturers' aircraft maintenance specifications, data sheets, manuals, publications and related federal guidelines         Use aviation regulations, airworthiness directives, and advisory material         Read technical data         Safety and infection control are adhered to during all aspects of this task.         The student completed task within the time limited.		2	3	4	5	6	7	8	9	10
Tasks Instructions:         Demonstrate ability to read, comprehend and apply information contained in FAA and manufacturers' aircraft maintenance specifications, data sheets, manuals, publications and related federal guidelines         Use aviation regulations, airworthiness directives, and advisory material         Read technical data         Safety and infection control are adhered to during all aspects of this task.         The student completed task within the time limited.         Points earned		2	3	4	5	6	7	8	9	
Tasks Instructions:         Demonstrate ability to read, comprehend and apply information contained in FAA and manufacturers' aircraft maintenance specifications, data sheets, manuals, publications and related federal guidelines         Use aviation regulations, airworthiness directives, and advisory material         Read technical data         Safety and infection control are adhered to during all aspects of this task.         The student completed task within the time limited.         Points earned		2	3	4	5	6	7	8	9	