**Culture and Professionalism**

Please write or select the correct answer to the flowing questions

Note: Your name is not required – There is no Pass or Fail

1. What are the VFR minima for agricultural operations in Class G airspace?

…………………………………………………………………………………………………………………………………………

1. Does this minima apply to ferry flights as well as operational flights? YES / NO (circle)
2. While performing an agricultural operation you suffer an accident or incident. Which Civil Aviation Rule Part would you refer to, to find out if your accident or incident is reportable and what details you’d be required to be report to CAA? CAR Part ………
3. Can a Private Pilot hold an Agricultural Rating? YES / NO (circle)
4. CA Rules allow agricultural operations to be conducted at any height and any altitude (with provisos). Name one of these provisos.

……………………………………………………………………………………………………………………………………………….

1. What is the maximum ‘transit’ distance from the loading site for the above statement to remain applicable?......................................................................................................................

**Fixed Wing Questions**

1. What is the minimum fuel reserve for fixed wing agricultural operations: …………………….
	1. Is this the reserve you are required to have on board for your last take-off before refuel, or
	2. The minimum reserve in the tank after which you may not take-off?

1. Your aircraft must have an approved jettison system if you wish to topdress at greater weights than the standard category MCTOW as prescribed in the aircraft’s flight manual. The aircraft must be capable of jettisoning a percentage of its maximum hopper load in a certain time to comply. Select the correct configuration from the list below for this?
	1. 50% in 8 seconds
	2. 80% in 6 seconds
	3. 80% in 5 seconds
	4. 70% in 3 seconds
2. What fixed wing a/c type do you regularly fly? ...................................................
	1. What is the ‘Original Aeroplane Load Factor’ applicable to this a/c?......................
	2. Where is this found? ……………………………………………………………………………………………..
	3. Using the following Chart calculate the maximum percentage weight increase available to you:……………………………………………….. (approximate for this exercise)



1. Is this result the percentage increase applied to your productive load? (circle below)

YES (any further comment?)...............................................................................................

NO (any further comment?)……………………………………………………………………………………………..

NOT SURE

1. The agricultural Rule additionally requires that before operating at this increased weight a pilot must take a minimum of 6 operational factors into account. Name 4 of these factors:
	1. ………………………………………………………………………………………………………………………………….
	2. …………………………………………………………………………………………………………………………………..
	3. …………………………………………………………………………………………………………………………………..
	4. …………………………………………………………………………………………………………………………………..
2. What is the relevance of the following schematic with regard to agricultural operations? …………………………………………………………………………..
3. What is the relevance of this schematic to a Grade 2 agricultural pilot? ……………………………………………………………………………………………………………………………………………

**Helicopter Questions**

1. A pilot is delivering fencing supplies from the roadside to a newly ‘dozed fence-line on a farm in a rural area by external loads. Is the conduct of this operation governed by:
	1. CAR Part 133 Helicopter External Load Operations, or
	2. CAR Part 137 Agricultural Aircraft Operations, or
	3. CAR Part 91 General Operating and Flight Rules, or
	4. All of the above?
2. What is the minimum fuel for helicopter agricultural operations?........................................
	1. Is this the minimum fuel you are required to have on board for your last take off before refuel, or
	2. The minimum reserve in your tank after which you may not take off?
3. If an operator replaces the pump motor on his CAA- approved spray system with a better and improved motor, is the airworthiness of the helicopter affected?................................
4. Does your answer to question 1 on this first page regarding VFR minima apply to helicopters?..........................................................................................................................
5. Name two helicopter operations defined as ‘agricultural aircraft operations’ that can be conducted without holding a Part 137 operator certificate?.
	1. ........................................................................................................................
	2. ………………………………………………………………………………………………………………………
6. When completing an annual ag competency check, how many days prior to the expiry date may this be accomplished without affecting that expiry date?...............................................
7. If the answer to (6) above is not known, where would you go to look up the answer?.....................................................................................................................................