AS IF ANYONE WOULD WANT TO FLY THORE! NAVIGATION: FLIGHT FROM "STANHOPE" TO "BELLEVILLE" TO "OTTANA MIL.". 1) - ABBAM OF "NALIBURION" @ TIME", ABBAMI OF APSLOY @ WHAT IS ETA? 2) - FLIGHT SUPP. QUEST. ON BELLE VILLE AIRPORT : WHAT LIGHTIME, CUSTOMS, WH on R/H CIRCUISS, ESC. CNOOSE ALL CORRECT STATEMENTS FROM LIST.) 3) - FLYING OVER PERTH D ___ ft. WHAT AIRSPHIE ARE YOU IN 3 (0 CD6) 4) - FROM PERTH TO OFFAUR VOR , WHAT RADIAL DO YOU DIAL IN & 5) - GINEN G.P.H., FLIGHT FIME, 2 GALLOWS FOR TAX & CLIMB @ STANHOPE, Z GALS. FOR TAXI & CLIMB O- BELLEWILD, WHAT IS MIN. FUEL REYMISS. FOR DAY UFR. (DON'S FORGET 30 MINISTO RESERVE). 6)- IF YOU FLY AND A HEADING OF 062(?) FOR A TRACK OF 051(?) WHAT IS THE RECIPROCAL HEADING TO KLY & ON RESURN? 7) - WHAT IS COMPOSITION OR TRIANGLES OF VELOCITIES FOR WIND & STORIFS PRODLEMS COMPOSID OF? (VARIOUS PARRS OF INFO - CORRECT SOLECTION IS: (HEADING, TAS), (WIND & WIND SPOOD) (TRACK & GROUND SPEED) esson for aus.) 8) - 15 MM NW OF BELLEVILLE, WHOM DO YOU CONTACT FIRST? (VARIOUS THR & UNICOM & FSS FREQUENCES FOR ANSWERS) TRENTON TWO AS YOUR ABOUT TO ENTER THEIR CZ) \$ DOSORNINAME THAT RUNWAY - 15 THE ALSIVE RUNWAY, 9) - AFTER CONTACING BOLLEVILLE I WHAT IS THE CURREN ENTRY TO THE TRAFFIC PATTERN : KOLLOWS 4 NOT OFFICE OBVIOUS CHOICES LIKE RIGHT HAND DONNWIND & STRAIGHT IN UN BASE 266, ETC. (NO 2/A DONNWIND ENDICE DOUBLE TRACK QUESTION: HOW LONG & AT WHAT HEADING DO YOU FLY TO

GGT BACK ON COURSE & WHAS WILL NEW HEADING BE AFTEY YOU ARE ON COURSE

(NAVIGATION CONS)

- (1) MH QUEST: GIVEN WIND, TAS & TRACK, WHAT AMEADING &
 G. S. WILL RESULT, (DON'S FORGET TO ADD MAGNETIC VARIATION!).
- 12) WHAT IS MAX. MEE ENCONFERED FOR TRIP TO STANHOPE TO BELLEVILLE.

 TO OSTAWA.
- 13) WHAT DOES "LAPSE RATE" REFER TO:
 - 2) PRESSURE
 - 3)

19) WHICH OF THE FOLLOWING IS THE MOST LIKELY ACAUSE OF GROUND EFFECT:

) LACK of CUSHISMING EFFECT ON HIGH WING AIRCRAFT.

AIRCRAFT TAKES OFF BUSIS UNAPLE TO CLIMB.

2) AIRCRAFT TAKES OF BUT SLOWLY SETTLES BACK ONTO THE RUNWAY.

Two aeroplanes converging at the same altitude. Who gives way? Blocked pitot tube. Which instruments fail. Selection given.

Vsl indicated on the ASI?

Recreational pilot permit holder may fly. Number of passengers Number of seats VFR daytime only within Canada.

Centre of pressure approaching a Stall. Where does it move.

Low octane fuel in a aircraft engine causes detonation.

Type of weather expected on lee side of mountain ridge.

Relative humidity.

What find of weather would you expect to find with the passing of a weak ridge of high pressure. Would you attempt to take off with an approaching thunderstorm.

Radiation cooling causes?

Given winds aloft at 3000 6000 9000 What was windspeed and direction at 7500'

From an area forecast

Ceiling at given airport at given time. Above ground level or above sea level. Almost at the end of the forecast period.

When was the forecast valid. Starting time and for how long.

When taking any Rx drug before flying wait 8, 24, 48 hours or not before consulting Doctor.

Weight and balance calculation using the Cessna Loading graph and Cessna C of G graph some of the weights and some of the moments were missing. Calculate if over or under weight combined with if the C of G was inside or outside of the envelope.

St. Thomas D-

Cross country flight from

To Barrie. Single leg.

Fuel required for the flight. Answers included exact amount only and exact amount plus 45 minute reserve.

Depart at time given, TAS 102kts, en route, on track and over a small town at abandoned railway track at given time. Calculate revised ETA Add 1 minute for each 1000' of cruise altitude.

Kitchner

En route you pass over an airport Control zone[(D)3000'] at 3500 do you need a clearance?

Arrival procedure at Barrie airport. Uncontrolled Airport without mandatory frequency. CFS page given showed right hand circuit for runway 10. The active runway for your arrival. NOTAM referring to work on the runway displacing the threshold by 1000' until ????Z. Will you have the whole runway. Part of it. Runway closed or?

Landing approaching a DOWN SLOPING runway. High Low near or Far.

Two aeroplanes converging at the same altitude. Who gives way? Blocked pitot tube. Which instruments fail. Selection given.

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Landing approaching a DOWN SLOPING runway. High Low near or Far.

If FSS gives you altimeter setting of 29.82. And the pilot inadvertently sets the altimeter at 28.82. Will the ALT read high 1000' or low 1000' or two other answers.

Your planes maximum crosswind capability is 12kts at 90 degrees What is the maximum angle of a 20 kt wind and still be within the limit.

Except ultra-lights and balloons what documents are required to be carried on a Canadian privately registered aircraft. In flight.

Special VFR minimums

Wake turbulence from?- large fast moving, only jets, aircraft and helicopters, and one other.

CYR can you fly through it?

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34) Which of the following would best describe The surface wend condition immediately after passage of Rold front! 1) Derection will change & relocity remain constant 2) Winds will never & increase 1 3) Winds will book & decrease. 4) Winds well me a diciense 35) tender which conditions can a nehicle aprealed on the mancouning and of an airport? 36) Which of The following would beat represent a condition of SIEMET? 2) natice of segrepaient meleocological condition 3) Rainstown 4) Thunderstarm 37) living the magnetic compass when do you get the most swing to The morth 1) Turning south - northwest 2) Turning south - southwest 3? Turning morth - morthwest 4) Turning west - morthwest. 19) lesing the cettama NORTAC, what rached is the town of Suttorice on? Flight Service Station, for weather info, the closest 41) The highest elevation 10 NM without side of track from ATHERLEY - BANCROIFT. 42) Complying with cruso altitude order what is this found describe actitude on east bound flight from Cetherley to Bonerapt.

2 Questions on Cessna Weight & Bal. - 2 seperste. 1 Density actitude 1 Take off Distance 2 Pross winds How many gastons of fuel needed to fly from Basie Drift Correction (2) only one magnets done drops techow what could be Carl hat - muture wan, red Gewing Carl heat on Auring toti - what - engine sit our heating what is cause Journey Circuit would you.

Cross much full at 1000 +

Gourn Wand right 1000 +

Journ Clourn Wand right 1000 + Journn's would much fuld at 1000 +

Strong wing plane with now sear most when furning what with what with what with what wind downwing 1) What documents required on board Do carry passengers at night 3) Gillia-Burne to - Hansver - a London Just lonsumption as 3.5 flight time in both Oullia & Hanouer For 45 som what is requirement. Was worded that at First the run up, taxi & Climb Only required 2.0, with find a town The still the 4) Weight & balance to sure plane within limits C. of A. Weights I momente missing Refer & graph. Haul weight in question, lastly missed. 5) E6B questions on ground speed, it time en route, ETA. very Straight forward. 6) Opining & Closing angle for course correction. They your the Jegree of course, I only needed a determine Decond degree of make new course heading.

There was plane und not four most what with grant property for the property with grant from the former for the former former for the former former for the former former former for the former form 1) VOR question if fly a heading of 180° flying to Work. Would God Solow 180 & 70

180° flying to Work. Would God 180 & 70

180° from, or opposite heading 180° from. 8) From Honover & London what air space you would fly in. 9) Using hyppometric tinto what elevation you would be flying from __ to 10) From Orillia guen W-ordinates & find a town then given 23 nm Sw find radway tracks then time en route de Hanower. 11) Relevation of different auports. (2) (loing flight Supplement were there Customs Dervices, flight Service on Site, lighting of Nunway places it pilot operated to hihat a friquency to activate. What Kind of archits R or L. 13) le joss wind component, asked to Make a diassion à sise différent runway

- 2. Turning and Acceleration Errors. On an accelerated turn to or from the north the compass? lags from north, south, east, west. TP says, "on turns to or from the north the compass lags behind the actual heading. Remember ANDS, accelerate = north indications, decelerate= south indications.
- 3. Carb Icing. Under which conditions would the most serious carburetor icing be expected? Choices include 4 temperature ranges and high or low humidity. TP says, "-5C to 15C, high humidity.

Note: It appeared that all the questions on general knowledge are covered in the practice examine provided by the Langley Flying School.

NAVIGATION

Comments: This portion of test did not require a navigation log. However it is of value to do one with the information they provide so that you do not miss something. An example of this is where you have your track and are given the wind direction/speed and TAS. The question simply asks what your compass heading will be? Unless you document down info on the log you may fail to remember to add the magnetic variance (add west". The four choices also provide the heading which doesn't include adjustment for variance.

The navigation portion calls for a trip from Barrie airport to Hanover airport for a stopover and then to London based at 4,500 feet. You are required to provide the following answers:

- 1) The highest elevation based along the flight path.
- 2) Based on the Hypsometric tints chart. What is the range of elevation from Hanover to London?
- 3) After departing from Barrie you are given the times 15:15 and 15:34 to go from Middlegate to another small community. You are asked what your new ETA will be to Hanover. Be careful not to just subtract the distance from Barrie to the small community from the total distance but rather measure from there to Hanover.
- 4) You are asked what class of airspace you fly in from Hanover to London.
- 5) You are given one double track question asking only how long you would fly to be back on track.
- 6) From Hanover to London you are off course and must calculate using the closing angle method.
- 7) You are asked that on joining V342 what heading you would be on to fly to the VOR at London airport and whether the OBS would read To or From.
- 8) There is one question on fuel consumption. Be careful to read the question. You are required to stop in Hanover so you have to add the fuel for climb not only at Barrie but again at Hanover. And don't forget the 30 minutes fuel required as well for daytime flight.
- 9) There is one weight and balance question using the charts to calculate moment. Be careful it could be easy to miss the fuel. On the center of gravity

- moment envelope. Be careful because the top line of the loaded aircraft moment range only goes to 1650.
- 10) There is a cross wind question with runway 19. Cross wind at 080 and 25 knots. Can you land? Would you use runway 01 instead? Are would you not land? You have to calculate out cross wind for both runways. Stall speed is 60 knots.
- 11) There is a question on takeoff distance at 4000 feet and 20C. Question includes headwind 18 knots and grass runway. Be careful here to add the extra percent to ground roll for both issues. For headwind have to increase % for each 9 knots.
- 12) Be familiar with information from Canada Flight supplement for Hanover. Does airport have FSS? Is customs available? What lighting? What circuit procedure in affect?
- 13) There is a question on NOTAM. 1,000 feet of runway closed. You land at 1800Z? Will the runway be open or closed. Know how to read NOTAMS!
- 14) You have changed your ETA to Hanover what station would you contact to notify?

FLIGHT OPERATIONS

- 1. You are descending into a Headwind, the angle of approach will _____ and the groundspeed will be _____. Answer steepen and reduced.
- 2. You have just taken off and experience wind gusts. Will you reduce power, increase power, will power stay the same and what will happen to angle of climb? Study low level wind shear!
- 3. What is the sequence required in an overshoot? Apply full power, accelerate to a safe climb speed in level flight, reduce flap extension as required and raise the nose to the climbing attitude.
- 4. You are flying at 4500 feet. What will be your wind direction and wind speed? Need to interpolate from 3000 ft. and 6000 ft.
- 5. Question if the center of gravity is too far aft, will the aircraft be stable, unstable, what about stall? Answer is the aircraft will be extremely unstable when in slow flight and when approaching a stall.
- 6. You are in a spin? At what point do you raise the flaps? First, after you have leveled aircraft off, once recovered from dive?
- 7. Ground effect once above 18 feet what is effect and danger? As ground effect stops the result is that an aircraft can become airborne quickly, but without sufficient airspeed, and the aircraft is in danger of stalling.
- 8. Question on wake turbulence behind a heavy aircraft. When does wake turbulence begin? At rotation, after rotation? Etc.

WEATHER

Comments: Know all three weather reports Area Forecast, Metar and TAF. Questions on when report period is for as well as interpreting what the weather will be like at certain time. Question on what freezing level will be at certain time.

Toronto Barry or o Barry started a what kind of weather mould you expect with a weak widge com through. Detonation No Engines or Herfamel XC fine assume mint fooding joseph Cessnd Question Meet

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you will you be your Alt

head 1000 high 1000 Low

5H is a weather forcast boy bog is caused by Advection for is call a rold flant passes by

Woh TAC OHOWA repair

Stend supats a Squal Line Ohilla & Hanquer - Frendon if there was a squal line sof the beginning of a coold bront what would you Subst are the factors effecting If early heat is on during Tascir how does it iffect the Engine

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-Rod Deacon no Duft of Course correction -3500' aver control Lone do your require clearance to wheel liothawing Pito - if pito exed what instruments Stall Clean where on AS incheated Authoritand What Taype of plane chester Turbulance Converging Air Craft
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60% General Knowledge Stanhops > Belline & Oftened X wind hard . A Jeachwing wheel burrowing Magneto what Lappens when you get a broken wine from Storter to many ante historiand of Over the executer donot bly ernlest Aviation meddoc seys 6.5 burn per bour full calculation

FROM BARRIE -> ATHERLEY -> BANCAOFT -> OFTAWA MAV. STOP ATHERLEY TO DROP OFF PASSENGERS 613523-2187 1) assume you are on period approach for landing, when controlled talls you - pull up & go around?" A The controlled has given an instruction, which much be completed with (axcept in an emergency) B) The controlled has given a clearance, which must be complied with (except in an emergency) you must request an instruction for an overshoot, To confirm you understand the shorance 2) To act as pilot in command by might in an accraft conging passengers, a private pilat must have completed Take offs and landings by night within previous A) 6 5 C) 12 12 8) The pelot is instructed to squawk 1222. The of 3) The minimum horizontal distance promo claud in a control zone, for SFR plight is 1) 3 miles 2) / mile 3) 2 miles 4) 2000 J.F. laure lada Joseph to mailande a calque 4) " night" is defined in air Augustiens as the i) from 1/2 how before sunset to 1/2 how before 2) when the center of the owns disk is less than 60 below the housen. 4) 1/2 hour after sunset to 1/2 hour before down

5) The Coursing actitudes arder only applies to aircraft operating! 3,000 pt. ACL 1) above 3,500 pt ASL 2) aleone 3) alsone 3,000 Jt ASL 4) aleane 3,500 pt ACL () While approaching to land, rain on the averages undshield will make runway appear? 1) Wigher than actual hught 3) Has no effect 4) Further away from you. 7) an the auspeed indicated the bottom of the green are indicates. .1) moreinem endurance speech. 2) power off stall with flaps retracted 3) man. range speeds 4) Power off stoed with full flaps retracted 8) The pilot is instructed to squawk 1222. The proper response to this request is: 1) adjust 1222 on the Transponder for a minute or two a then 90 bock to 1200. 2) adjust 1222 on the transponder 31 adjust 1222 on Transponder & press ident button 9) apter a clanation of blood what must hoppen before you can act as a crew member in a plane;
B) Physician must be consulted by rows must lopse () 12 hours must popol 48 hours must paper.

10) The following turn co-ordenotoe indication requients A) a skid to the left B) a skid to the right

C) a seip to the right. 11) a pelot has been "cleaned to land" immediately after the landing of a large heavy averagt. He should 12) a pilot notices a distant object as a small mark on the windshield. If the small mark is another accost, a mid - and collesian could occur when. I the most moves slowly down windshield 2) the more remains stationary on windshield 3) The more moves slowly up windshield 4) The more moves slowly to - word center of windshield 13) a compass is swung to minimize what kind of enov: 1) northerly turning serol 2) accederation enou. 3) Deviation error 4) Precession error. 14) The term marranenny area means. 1) areas that include aprons only 2) areas that include toscimory & aprons 3) areas that include running, toximory & aprons 4) areas that include toximory & runnings

5) according to air Regulations when would you by i) When it is attached to a parachute 2) under no cersumstances 3) There is no requestion regarding this Topio HI When it does not create a hozard to persons or property on the ground. 16) a NORDO arcraft receives a flooking green light from the tower. The meaning of this light rignal on the ground & in the air are respectively.

1) Return to starting point on accordance / Continue circling 2) Pleased for Jone / Return for Sanding 3) Pleased to Jake - off / should To Sland. 4) Toni show of Jake - off area/ No not Joke off for Time being. (7) above which astetude must a flight were member should be on boold & how much crygen should be on board ausof to? 18) Which of the following indicate the appropriate documents which must be on board the accept in flight: Flight Prow Licence 3) Technical Lag Restrated Radiotelephone Operators Lucinco aureraft Radio Station Licence aucroft manual 1=) Journey Lag Book test of anworthiness Put of Registration 19) Two currents on penal approach to land, one is Sower than the other, who has right of way? 4) Lower one has night 1) Lawer one must beaut circuit
2) Lawer one must overshoot
3) Higher one has right of way. of way.

201 The responsibility for seeing that	appropriate	AID'S
20) The responsibility for seeing that amouthings directives are comple	ied with are	hiousemail
D agramation of maintenant Eng	AMOUNT MINT	
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as when arriving	I QUEBEC the appropriate of
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3 1 122.3 15 NM	3) Curry of average 4
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26) What is the weight of	95 Litres of AUGAS with an
26) What is the weight of outside air temp of +20 de	grees C.
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29) What are the main	ouses of "wheelborrowing.
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B) True auspead of 180 knots CI & noticated auspead of 180 D) Irue auspead of 180 km	80 knots or more.
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2) Which of the following i	o the most appropriate recovery
Do Which of the following i	divid.?
(3) The priot of an arcraft in	
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ven rougher The appropria	to action to be taken is to
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3) Enrich minter	
4) Leave tout heat on ha	+ position

34) Which of the following would best describe The surface wend condition immediately after passage of cold front! 1) Derection will change & relocity remain constant 2) Wends will near & increase 3) winds will back & decrease. 4) Wends week new & decrease. 35) under whech conditions can a whice operate on the morrowing and at an airport? 36) Which of the following would best represent a condition of SICMET? 2) natice of segrepaient meteorological condition 3) Roundows and 37) lising the magnetic compass when do you get the most swing to The north! 1) Turning last - mortheast 2) Turning south - Southeast 3) Turning morth - morthwest 4) Turning west - morthwest. 39) using the attained SORTAC, what racked is the town of Suttaniell on? 40) If you are aleaso NORLAND & wish to contact a Flight Survice Station, for weather info, the closest 41) The highest elevation 10 NM either side of track from ATHERLEY - BANCROFT 42) Compeying with cruise altitude order what is the found found flight from

Cetherley to Bancrof to.

2 Questions on Cessna Weight & Bal. - 2 seperte P.hosts. 1 Density actitude 1 Take off Distance 2 Pross winds How many gastons of fuel meeded to fly from Bassie To attawa. Drift Correction (2) allitude orders what is the on east hound I highly from

Intel File

Submitted: B. Orlowski

-ADF Track interception (Complicated, fixed card ADF questions includin 2002/01/71

Test Num: CPAER 016:01) for sac uoY) viswaic autot syntaler anost subar SOV tearrestal-

Overview: Generally a difficult test there wasn't a single question that was straightforward often combining several different sections of knowledge in to one requestion. If you just know your basics you'll crash and burn. If you know your basics well and have studied some of the more obscure rules, regulations, calculations, etc. then you will do okay. They assume you have done great on your private pilot exam and anything in relation to that exam is, either, not covered or is compounded by other factors. Every new topic presented to you since you started the commercial should be studied with detail. Always read the question and each answer one word at a time.

Other tips: Standard on know the difference between Flight duty time. Stand-by, and Flight time.

- -Calculate Load factor given bank (100kts stall in 60 deg. Bank now is...) nov sour sols! /-
- -VFR Fuel Requirements (including reserve in commercial ops) must be described by
- -Laminar vs. conventional airfoils (Laminar is 50% of chord) and the animal to animal airfoils (Laminar is 50% of chord) and the animal airfoils (Laminar is 50% of chord) and the animal airfoils (Laminar is 50% of chord) and the animal airfoils (Laminar is 50% of chord) and the animal airfoils (Laminar is 50% of chord) and the animal airfoils (Laminar is 50% of chord) and the animal airfoils (Laminar is 50% of chord) and the animal airfoils (Laminar is 50% of chord) and the animal airfoils (Laminar is 50% of chord) and the animal airfoils (Laminar is 50% of chord) and the animal airfoils (Laminar is 50% of chord) and the animal airfoils (Laminar is 50% of chord) and the animal airfoils (Laminar is 50% of chord) and the animal airfoils (Laminar is 50% of chord) and the animal airfoils (Laminar is 50% of chord) and the animal airfoils (Laminar is 50% of chord) and the animal airfoils (Laminar is 50% of chord) and the animal airfoils (Laminar is 50% of chord) are also animal airfoils (Laminar is 50% of chord) are
- -Compare operation of a turn and bank indicator and a turn coordinator (yaw, roll, both?)

DME_VOR_TACAN_UHF or VHF

- -METARs (Know your codes)
- -NOTAMs (Know your codes)
- -TAFs (Know your codes, esp. weird ones) a ti 0000 1000 sobutitle grivel of brager MrW-
- -Rhumb Line (I know it sounds silly, but still know it) rodw IZA to JDA grizu to sobledt
- -VSI inaccuracies (Lag etc when is it most accurate and least accurate) a session of groups
- -Passing through fronts (Back or Veer wind/inc or decr turbulence/ Immediately Changes vs. Progressive) diw (outno reals a diw vileuts A) W algorithms and immediately changes and the control of the con
- -Fuel consumption and power graphs (Keep to 65% or 75% power selections forget 70%)
- -Atmospheric Pressure levels and effects on Altimetry (temp, pressure, alt, etc/higher or lower. What about variations with respect to pressurized Aircraft and Failures)
- -Alcohol exposure and long term effects. (Alcohol stays in? blood, brain, inner ear, something else)
- -Altitude affects lift/drag ratio (at altitude, Change Angle of attack, etc) oob of vid available.
- -Temperature effects on true vs. indicated altitudes. (High to low or Warm to cold look no out below)
- -VOT testing (straight forward)
- -Crew member requirements (There is a lot you must know, know it all. They use the word 'Commercial Air Service' on the test. It's there. Do you know what it is?)
- -CRFI index (yes it is on a scale from 0-1, but you also need to use this number on the chart to determine other things such as X-wind. One of those best answer questions)
- GPS how does it work (GPS satellites use? Orientation or distance or both to find position)
- Privileges of Commercial Pilots (There's lots to know)

- -Wind, TAS, and GS calculations.
- -Carbon Monoxide (Some options in question Feelings of well being? Is small exposure ookay?)
- -ADF Track interception (Complicated, fixed card ADF questions including determining your track and intercepting tracks at non-standard angles from as little as 5° off)
- -Interpret VOR indications relative to an airway (You are not currently on) To the T
- -Flight crew qualifications required for 'Commercial Air Services' (Yes that word again)
- -VFR flight plan filling and filling out (How do you indicate stoppages?)
- -Standard VFR transponder codes (1200 VFR below 12 500'ASL, 1400 above) and transponder codes (1200 VFR below 12 500'ASL, 1400 above)
- -Falling Rain and Humidity (Funny, because the question was alluding to turbulence not plow level fog, mist and bad vis) was able to provide a room only to amost be ball a sound beautiful.
- -Serviceability of NDB (This was a private NDB that was giving a strong signal but which you could not receive an audible ID signal the NDB's ID was D9 what do you do?

 Use? y/n why)
- -Warm Unstable Air and weather conditions associated with it. 2020 A State of the best but a
- -Weather changes around frontal passage (Cold front over warm ground)

Other tips:

-Make sure you know the difference between Flight duty time, Stand-by, and Flight time.

TC Subjects for recommended study list given to me

(More specific details to questions in brackets):

- -Make sure you know the Max flight times in a given time period. (1200hrs per 365 days)
- -VFR-OTT and other minimum equipment requirements (bulloni) streaments and other minimum equipment requirements.
- -Landing or taking off on water? Equipment needed. Life jackets? Raft? Water ELT?
- -Map work but look at more advanced stuff ie VGF and but must also not see to program a
- -DME, VOR, TACAN. UHF or VHF?
- -DME limitations. Can you use for GS and when?
- -With regard to flying altitudes over 3000' it's AGL and magnetic track. Try get used to 1-the idea of using AGL or ASL when referring to any altitude in your studies. For a dead 8-to 12 Version 12
- Go over the SIGMET weather codes. Note that some are combined to better define types of precipitation. Small triangle ▼ (Actually with a clear centre) with a '*' above it would be Snow, for example.
- -The GFA questions were trying to be tricky, pay attention to the time Issued vs. the Validity period. Basically came down to reading the question and answer carefully.
- -Remember CB, TCUs and ACCs imply significant turbulence and icing. Heights are ASL unless otherwise noted. And CBs imply Low Level Wind Shear.
- -Always try to double check answers after you finish. The average person fails by ONLY one or two questions in a particular section. I personally had the worst score on the section I felt best about and therefore did not bother to check.

Uses member requirements There is a lot you must know, know it all. They use the

CRIT index eyes it is on a scale from 0-1, but you also need to use this number on the

September 20,1999

The following	ng is a summary of questions and scenarios as remembered from this exam
Air Law	
Cruising al	titudes in the Southern Domestic airspace start at and are base o
	○ 3000 AGL, true track
	o 3000AGL, magnetic track
	o 3000ASL, magnetic heading
	o 3000ASL, magnetic track
For entry in	nto the ADIZ the following is true
5	 A flight plan is not required if the cruising speed is below 180 kts.
	 ATC must be notified if you are more than 5 nm off track
	 A clearance is required before entering the ADIZ
	 A 2way radio is required for flights into the ADIZ
A flashing	red light signal means, to aircraft in the air and on the
ground	
	o (selfexlanatory)
	nft's ELT is u/s and you don't have a MEL, you
	o Cannot fly
	 Can fly if the ELT is temporarily not available e.g. removed for
	maintenance
	o Can only fly within 25nm from departure point
	• ?
	training has to be provided to crew by an operator every
	o 3 months
	o 6 months
	o . 12 months
	o 24 months
What is the	maximum altitude for a flight without oxygen on board?
	o 10,000 ft
	o 13,000 ft
	o 20,000 ft
	· ?
What would	d be used as proof of airworthiness for importing an aircraft?
	Special purpose certificate
	Special purpose permit
	Standard CofA
	o ?

General Knowledge

This part refers back to above scenario.

One simple weight and balance scenario is given, no complications, and at the alternate destination you have to recalculate after picking up another passenger and after calculating your fuel burn to that point (you are given straight forward information "... 13 GPH for cruise + 3gal for taxi/climb...", don't forget your VFR reserve on the initial calculation). After recalculation you find your T.O. weight okay but your c.g. out; no corrections required.

Other questions:

- Results of oil pressure loss on counterbalanced constant speed prop
 - o Course pitch
 - o Fine pitch
 - Feathering
 - 7
- o 3 different questions regarding angle of attack, relationship to speed, load, icing
- O What is the working principle of a directional gyro?
 - Rigidity in space
 - Gyroscopic stability
 - Precession
 - 0
- Totally blocked pitot system results in
 - Overreading in climbs, underreading in descents
 - Underreading in climbs, overreading in descents
 - No indication
 - 0 ?

Considerations for startup after oil dilution

In general the test exams from LFS (including Dave's infamous final exam) have been excellent training aids. In addition to Dave's "Commercial Pilot" Textbook you should prepare for weather charts and symbols, otherwise it's quite complete.

The final exam in Culhane's "Commercial Pilot" – Text Book as well as the 6 exams in Culhane's "Written Test Book" have been a great help and I didn't find any questions in the T.C. exam that were not addressed in principle in those test exams.

The actual T.C. exam seemed to be easier than the test exams because questions didn't seem to be so much "in depth" and calculation were kept fairly simple and straightforward.

(If someone likes to borrow my Culhane, please let me know – Peter Schlieck. 594-8450)

Commercial test 1 jet indoesed with a class and eategory what does that 7. what is dist from cloud in controlled avispace VFR. 3 blinking runway lights A single engine aircraft - what required beyond gliding distance from shore 5. when at or below 12500 - transponder set at over Saskatoon - what mode Aor C 6 Class B aarspace is what 7. Why does auplane stall in a turn at higher airspeed (load fact
9. What happens to center of pressure after the wing stalls
9. When aircraft is loaded tail heavy, what axis of stability
does it affect 10 pitot tube blocked - what happens! 12 what 3 air masses are in north america 13 what causes inheelbarrowing. 14 What is the amount of water content in the air? Medical - effecte -- Sun question -- W+B - no 160 - DISTANCE TO STATION. - TIME TO SMOTON FLIGHT PLANNING YE (MORE THAN WAC). - one CE FSS frequency - MEA or - Commercal Ofse - nine - heading - - track NOB relative bearing - Weather - and freest

Todate to the cook of the - questier was something like what could a CAL holder fly with "whatever category, type & class, you want to give him in the example. @ what should a pilet do while taxing his ale when he notices blenking runway lights. (1) know these regs. (Oze elevation). (28) There was a bit about pressure altitudes. Steedert had to apply this knowledge in other questions in NAU section. (34) Understand how W/s is connected i thenderstorms & unversions (36) FA are good for __ hours?
(38) question was "what ceilings can be 39) expected"; "what vis can be expected" in a sample FA. Here they referred to IFR, MVFR & VFR limits. MET: Be seeve to understand FAS, Metars & Tats: Exam asks questions on interpreting these. Need NOT bother with SFC charts or upper level maps, on exam I was given.

Coolevillo Cope Com Can e - Know that FAS forecast ceilings ASL, Metars & Tafo AGL. & winds in T. Be careful à times. - On FD's Know how to interpolate. 1E: know winds, & temps @ 7000' when forecast gives only 6 & 9000'. - Only question on my exam from the CFS was when SAR was available a an aryport gwen. It wouln't heart to have a good understanding of CFS although my guestion was easy to figure from abreviations & times given. - almost a MUST to have an electronic flight computer. It's faster of more accurate than whiz wheel & I'm not sure the school sould answer all question = Exam has you calculate ETE's, destances, fuel consumptions (know VFR reserves).

- How to find out how for away a VOR - One question asked about Seens Treeking. (1) know that less air (by weight?) is available for same AMOUNT of fuel. - In airrego: one question was distance from shore you can fly (multi engine) when able to maintain flight if cretical engine fails. - The question on PAPI lights (slightly cow) what lights are on red, white?

of the cities only the wife cities - Need to know X-wind limitations (IE 20% of Vso) & how to apply this knowledge to a seteration given: - Know drift angles: question was Something like - "after 20 min. you notice you are 10° 5. of your track. What heading do you fly to regain track, for how long, & what heading do you fly from them on? Nav Aids: Need thorough understanding of VOR-NDB. Questions are "trucky?" MH & RB are sometimes given, but the BTS & BFS are sometimes given, OR they will just give the NDB or VOR station which must be located on the map, then the BTS or BFS taken from it. - If you ture a VOR & get the nieedle (CDI) responding (appropriately?) but with no quelible ident, what does that mean?

- Understand how to calculate (of G.

On my exam they used a wif B chart

Similar to that on pg. 16 \$\delta\text{MMMT.}

There were 2? questions; compute

Cofg, then re compute after

adding more baggage & burning off

Some fuel. Be careful.

And is new Coff within limits?

There were no givestions & wt = d

WT = D

(13) The exam asked about setting altimeter (4) in SP.Z. after taking off, not prior to landing, or descending. again, they turnst around the setucation & test your depth of knowledge. Met. - airmasses that affect N.A wx. - What can a pilot expect to see when 50 mi ahead of as rold front, a line squall is forecust Now. - Know the formula for funding time from (6) radial - ecrossed Time in seconds. then TAS x 60? for distance. (whatever) - Night effect on NDB reception. Worse @ elevation, altitude, over water??

Gen Knowledge. - Understand what happens & from CP in a stall. Does it more foreward, back, stay still? - Normal takeoff chart on PG 168 \$ used on my exam. #3 EXAM - one greation on PIREP - On one METAR, govertion was asked "what will happen of temp. drops?" example given had temp 7, DP.6. and it was raining. - On the exam there was no interpretation of the syropsis involved, only reading the FAS, TAFS & metais. (actual question) - What hoppens if you been high octane fuel in high compression engine. - What happens to MP with carbice?

- What hoppens to stall speed as weight

increases? Stall angle?

JOEL WARRENCE CONTRACTOR #4 EXAM -AIR (Au - Question: lete is "Responsible person"? on flight note. - Someone who reports arrival pon arrival? - Right of way - Know ale on (R) has Row. (33) question - what can a pilot expect ahead when he issens unto lee pellets \$ Snow? Gen: question : what is most dangerous = wing tip vortices? (Rou?) what happens to ASI when peter tube blocked? Flying @ 11,500' what is transponder code? - Understand how to use cruise Power setting chart on PG 170. Dave, Could I get this exam bank back by about mid January? Thanks Barry.

NAVIGATION ALBERTA MAP - Definition: agonic line - Di Herenco between Mercator & Lambert Conformal - Double Track correction method - DR' Dead Reckoning definition - triangle of volocities - Compass ervors - Magnetic Dig - Palculating DA - Time Speed / Distance - Distance/ Ground Speed / Time - NOTAM - Weight & Balance * No Chart just table front Seat weights for pilot of passenger EXCEED Maximim weight. How to determine cef 5.

- Obtaing fix through VOR - Calculating asked direction & speed based on ground speed & heading. - Canada Hight Supplement. altitude for desent clearance. - Limitations of ADF a night & early morning. The said some last - Intercepting radials @ 300. * New Chart good Toolea 225X - I proposed to the file Agripin weight. Hen to

Commercial Pilot Intell AIR LAW - Part III - Accodomes - minimum lighting - reflectors only. Part IV - Personnel Licensing & Training - Flight plans us the Hineraries to U.S. destinations - commercial Polot Licence-acreplane - provileges Part VI - General Operations. - Fitness of blight even - batique.
-who's responsibility - Re-feeling - Arcraft Icing - critical structures. - Attitudes: * IF PA is 730,00 how do you fly UFR?

- Right of any with IFR plane flyinguFR of

VFR plane. Who has right of any?

- What does ATC give VFR pilots in Class C

airspace? airspace? Altimeter setting in from level flight in SPR to land in APR. - FLASHING GREEN LIGHT MEANING - on ground - Life preservers & rafts & multiengine au plane capable of maintaining level flight.

- X-WIND CIMITATIONS USING 2000 - Overdue aircraft on flight itinerary, when must pilot report? - What information is included on initial call to ATC from air plane? - What is Special VFR flight minimum? - What is UFR visibility minimum in CLASS 6 minimum criteria, e.g. turbine engine aucht, et-al. - Use et oxegen. aken must all even near oxygen? - AN Operator training of Hight over on de-icing what configuration. large andatt, i - ARCHE ARCAC LIGHTING, if lights are on already upon approach, do you hart interpretation actuate the lights by your * Chart interpretation - take distance. - tel born | * remember to indude vate & amounts your legal play or night used to minimums. 30 min 45 min destination.

- FA

- WARM FRONT IN WINTER DIAGRAM?

- MANY Weather symbols

- ** KNOW YOUR SYMBOLS

- HIGH to COUNT Travel**

Met Con't Atol might won single engine. Lithers of chear member fatigue? General Knowledge. Long slow two to left, quek two of head to right. Orlot will feel what sensation? - EFFECTS of Wind Shear? - EFFECTS of ICE on stall speed of Hight. - Ground effect & induced drage - BANK Speed us Rate & Radius of turn.

Test Question Examples

DAVE PARRY

- 1 Double track method with wind correction angle.
- 2 NOTAM when is it no longer valid?
- 3 C.S.F. Radius circle/group correct statements.
- 4 ADF Using VOR airways as BTS and using runways as BTS, finding RB.
- 5 VOR Set OBS to what heading when tracking medio. radial plus 450 in tercept
- 6 OBS moves to the left while tracking, what direction and wind correction is needed?
- 7 Suns true bearing chart.
- 8 Weather radar is primary or secondary?
- 9 Loran what does not affect performance?
- 10 RMI capable of what?
- 11 VTA symbols for VOR, DME, military and civil.
- 12 DME is least accurate when?
- 13 Transponder receives altitude information from where?
- 14 LO and WAC, GS, ETA, Distance and fuel consumption.
- 15 Climb fpm.
- On an airway, using another station's VOR to locate position prior to reaching radial, the OBS would read?
- 17 Dead reckoning is? (PR 15)
- 18 FSS heavy box with frequency given, which other frequency can you use?
- 19 A straight line drawn on a WAC chart is?
- 20 Which charts are Lambert Conformal Conic, WAC, VTA, Artic projection, all of the above.
- 21 Triangles of velocities are? (grouping question)
- 22 Cruising altitudes.
- 23 Pilot licensing requirements.
- 24 Flight times limitations in 365 days.
- 25 Aircraft icing legal to fly or not?
- 26 Air taxi w/passengers 50 nautical miles over water what survival equipment is necessary?
- 27 When must an ELT be carried on board?
- 28 SALR and DALR question.
- 29 Formation of clouds, formation of fog.
- 30 Cold front development.

ed?

MY OUES.

CACL S 6936

AUSTER

AUSTER

- 31 Warm front in winter time, what is expected?
- 32 FA's, FD's, metars decode.
- 33 Prognostic surface charts.
- 34 Carbuerator icing is caused by? At what temperature?
- 35 Fuel injection icing is there an alternate air source?
- 36 Moving of the C of G.
- 37 C of G how does it affect performance?
- 38 Variable pitch propellers, loss of oil.
- 39 PITOT blockage will affect ASI in what way?
- 40 How will ASI operate in freezing temperatures?
- 41 Turn bank indicator in a corner, slipping or skidding.
- 42 Windshear how will it affect ground speed?
- 43 Performance speeds VLO.
- 44 Take off chart, cross wind chart.
- Weight and balance, C of G limits, moment and locating C of G.
- 46 Affects of icing on a plane during take off or climb.
- 47 Orientation in a white out.

Commercial Final 11/8/2000

- 1. What danger should the pilot be aware of after thawing a snow covered airplane in a hanger and then pushing it back outside in below zero temperatures?
 - a. Carb ice on start up.
 - b. Freezing of pools of remaining liquid
 - Ice forming on upper control surfaces
 - d 5

2. A pilot flying	VFR unless	otherwise instructed by ATC should always squawk 1200 below	
and squawk	above.		

- a. 10,000ASL, 1300
- b. 12,500ASL, 1300
- c. 10,000ASL, 1400
- d. 12,500ASL, 1400 -
- 2. If you are flying towards a warm front and you experience light ice pellets with snow
 - a. heavy snow showers ahead
 - b. rain immediately ahead
 - c. hail immediately ahead
 - d. ?
- 3. When approaching a stall, the center of pressure moves?
- 5. Cruising altitudes for VFR flight begin at
 - a. 3000AGL, and are based on magnetic track
 - b. 3000ASL, and are based on magnetic track
 - c. 3000AGL, and are based on true track
 - d. 3000ASL, and are based on true track
- 4. After the passing of a cold front, winds will generally
 - a. back and flying conditions become smooth
 - b. veer and flying conditions become smooth
 - c. back and flying conditions become bumpy
 - d. veer and flying conditions become bumpy
- 5. What are the required instruments for VFR OTT
- 6. What frequency would you select if you are flying in VMC into an airport with no air-ground frequency?
- 7. What are the limits for entering an ADIZ (time and distance)?
- 8. When flying in light rain or drizzle a pilot should be aware of the risk of?
- 9. An aircrast involved in an incident may only be moved without the permission of the transportation minister
 - a. to save log books from burning
 - b. to remove injured persons
 - c. to prevent damage to any persons or property
 - d. '.
- 10. To fly a single engine, Day VFR, a commercial pilot with the same type endorsed on his license requires what?
 - a. A pilot proficiency check
 - b. A competency check
 - c. ?
 - d. 7
- 11. Class B airspace is normally:
 - a. all air space from 12,500-18,000

- b. all low level airspace from 12,500 up to but not including 18,000
 12. How long should a pilot wait before flying after extensive dental work involving anesthetics?

 a. 24hours
 b. 12hours
 c. ?

 13. Alcohol has such a lasting effect b/c

 a. it stays in the bloodstream
 b. it stays in the middle ear
 c. it stays in the inner ear
 d. it stays in brain tissue

 14. When is a landing light required?
 15. An aircraft taking off or landing on the surface of the water requires
- a. Personal flotation devices for all on board
 - b. A life raft suitable for all on board
 - b. A me rail suitable for all on board
 - c. A submersible ELT or survival ELT
 - d. ?
- 16. How is an intermediate stop filed in a flight plan?
- 17. You are clear of the frequency in a MF zone when
 - a. You are established enroute
 - b. You are clear of the traffic circuit
 - c. You are well clear of the area
 - d. You are established in a climb?
- 18. Detection of Carb ice on an air craft with a constant speed propeller after application of carb heat would be noticed by:
 - a. Reduction in MP
 - b. Increase in MP
 - c. Sudden drop in MP
 - d. Sudden drop in MP followed by a gradual increase in MP
- 19. Considering the requirements for the use of safety belts which is true?
 - All passengers must use safety belts at all times during flight
 - All passengers must use safety belts for take off and landing.
 - c. Small children must be in a restraint system for the whole flight
 - d. At least one pilot sitting in a pilot seat must be wearing a seatbelt for the duration of the flight
- 20. The transponder gets its altitude information from:
 - a. A radar altimeter
 - b. Pressure sensitive altimeter
 - c. '
- 21. Maximum flight duty time in a commercial air service is?
- 22. A straight line drawn on a VNC map:
 - a. Intersects lines of latitude at right angles
 - b. Represents a rhumb line
 - c. Represents a great circle
- 23. On a pressurized flight, disconnection of the static line in the cabin would
 - a. altimeter and airspeed read high
 - b. altimeter read high and airspeed low
 - c. altimeter and airspeed read low
 - altimeter read low and airspeed read high
- 24. The first symptom of carbon monoxide poisoning is?

- Sun's true bearing

Ken Nov/95

COMMERCIAL PILOT EXAM QUESTIONS

- 1) WHAT IS RMI IS RECEIVED ON?
- A) ADF VOR
- B) DME VOR
- C)VORTAC ADF
- 2) LORAN C IS NOT ADVERSELY EFFECTED BY?
- A) POWER LINES
- B) RADIO SIGNALS
- C) PRECIPITATION AND TERRAIN
- D) CURVATURE OF THE EARTH
- 3) COUNTER WEIGHT PROPELLER WILL ----- WITH LOSS OF OIL PRESSURE?
- A) GO TO FULL FINE
- B) GO TO COARSE PITCH THEN FEATHER
- 4) IF THE PITOT SYSTEM IS BLOCKED, WHAT WILL THE ASI INDICATE?
 A) OVER READ IN CLIMB UNDER READ IN A DESCENT
- 5) WHAT DOES MODE C TRANSPONDER USE?
- A) PRESSURE SENSITIVE ALTIMETER
- B) ENCODING ALTIMETER
- C) ALTIMETER
- 6) WHAT IS THE BASIC OPERATION OF A GYROSCOPE / HEADING INDICATOR BASED ON?
 - A) PRECESSION
 - B) INERTIA
 - C) RIGIDITY
- 7) UPDRAFT TURBULENCE AFFECTS THE AIRFRAME BY ?
 INCREASING STALL SPEED
 DECREASING STALL SPEED
- 8) WHITEOUT IS MOST PREVALENT WHEN?
 - A) SNOWING
 - B) SNOW COVERED GROUND AND LOW CLOUD COVER

- 9) NOTAM EXAMPLE WAS GIVEN, TWO WERE THE SAME BUT HAD DIFFERENT END DATES. WHEN WAS NOTAM CANCELLED?
 - A) SPECIAL NOTAM ISSUED
 - B) AUTOMATICALLY
- 10) CARB ICE IS MOST PREVALENT IN NON FUEL INJECTED AIRCRAFT BECAUSE?
 - A) ICE FORMS IN CARBURETOR THROAT
 - B) THROTTLE VALVE IS CLOSE TO FRONT OF CARBURETOR
- 11) USE OF LOWER OCTANE FUEL WILL CAUSE?
 - A) INCREASE HORSEPOWER
 - B) DETONATION
 - C) PRE IGNITION
- 12) WHY ARE COUNTER BALANCES USED ON FLIGHT CONTROLS?
- 13) A STRAIGHT LINE DRAWN ON A MAP MOST REPRESENTS A? 14) WHY DOES THE STALL SPEED INCREASE IN A TURN? / not a lood factor
- 15) WHAT TWO FACTORS ARE NEEDED TO FIND THE TRIANGLE OF VELOCITIES?
- 16) WEIGHT AND BALANCE QUESTION.
- WEIGHTS WERE GIVEN. FIND ARM IN CHARTS AND MULTIPLY MOMENTS X 100.

FIND AIRCRAFT C OF G?

THEN FLY 2.4 HRS BURNING 12.4 GPH PLUS 15 GPH FOR 20 MIN CLIMB.

- PICK UP 1 PAS 140 LBS IN BACK SEAT. IS AIRCRAFT OVER WEIGHT?
- IS AIRCRAFT WITHIN C OF G? (SEE CHART)
- 17) WING SLOTS ON AIRCRAFT ARE FOR?
- 18) AFTER OIL DILUTION IS PERFORMED, AIR CRAFT MUST BE PROPERLY WARMED UP TO PREVENT?
- 19) AS AN AIRCRAFT CLIMBS, IF FUEL MIXTURE IS NOT ADJUSTED. WHAT WILL HAPPEN?
 - A) FUEL VOLUME TO AIR VOLUME INCREASE
 - B) FUEL WEIGHT TO AIR WEIGHT WILL INCREASE

- 20) WING TIP VORTICES WILL MOST LIKELY BE PREVALENT?
 - A) SLIGHT CROSS WIND LEAVING DOWNWIND VORTICES ON RUNWAY
 - B) SLIGHT CROSS WIND LEAVING UPWIND VORTICES ON RUNWAY
- 21) WITH WIND SHEAR, YOU WILL MOST ALWAYS ENCOUNTER?
 - A) DECREASE IN GROUND SPEED THEN INCREASE IN GROUND SPEED
- 22) IF AN AIRCRAFT IS LOADED AFT HEAVY, WHAT IS AFFECTED?
 - A) LATERAL STABILITY
 - B) VERTICAL STABILITY
 - C) LONGITUDINAL STABILITY

Projection - Lambert - projection was sent to eventual fighting - aske to broken \$5 CFS)

Lighting - aske to broken \$3 or for.

VASIS elevation - highest obetide

cicinia benegla

- 9 on 4 instrument - sprint soul. LE RW bright

COMMERCIAL Oirplane liveberry 3450 to introppe track

O18 from North Bauleford to Laterovge.

What will be your relative leaving upon b intropt Dainy integet direct to an NDB & your you have Duft to the right, what will be indicated on a final

- Q. with reference to metar "VVDO3" indicates? (fog associated)
- Q. A2999 represents.? - 29.99 MAg , 29.99 HPa, ...
- Q. FA question time terminates, wind question, Freeze level question, Kadhe Bay textasen Ottawa to Toronto via waypoint does; cloud thicken and tower, wind increase, ...
- Q. FD question Ottawa to North Bay at 6500 Ft at 280°TT. what do winds do?
- Q. se facilities available at Belleville

 customs, PPR, renway lighting (radio controlled), circuits,
- Q. For NOTAM at Belleville, is runway open
- Q. coordinates Apsley, Cat.
- Q. on track abeam Perth, what radial are you on to the cHawa VORTAC. do you set what bearing and Flag do you set for direct to VORTAC
- Q. what is greatest MEF (max elevation figure) STANHOPE TO BELLEVILL
- Q. Abeam Perth on trackto Ottawa (macDonald/Cartier) what airspace are you in.
- Q. On track STANHOPE TO BELLEVILLE, 15mi from sta Belleville, whom do you call on radio.
 - * special note: Flight log form given for test, however, instructions indicate no log form required-

- Q At very cdd temperatures altimeter reads?
 -low, high,
- Q true altitude versus calibrated altitude question.
- Q. compute groundspeed and MH to Fly STANHOPE TO BELLEVILLE.
- Q. one inch on the VNC (1:500000) represents how many nautical miles?
- Q. when taxing with strong wind at your 10 oclock-what is correct control position?
- Q. why shouldn't corbheat be used when taxiing?
- Q. Under what conditions can we expect icing conditions?
- Q. question regarding ground effect.

	NAVIGATION:			
	L AS IE WAYONE MOULD MANT TO ELY INGRE!			
	MANICATION: [AS IF ANYONE WOULD WANT TO FLY THORD! FLIGHT FROM "STANHOPE" TO "BELLEVILLE" TO "OTTANA MIL.".			
	4			
1) -	- ABGAM OF "NALIBURION" @ TIME" ABGAM OF APSLOY @ WHAT IS ETA?			
-)				
2)	- FLIGHT SUPP. QUESS. ON BELLEVILLE" AIRPORT: WHAT LIGHTING CUSTOMS,			
	Whom R/H CIRCUISS, ESC.			
	(CNOOSE ALL CORRECT STATEMENTS FROM LIST.)			
3) -	- FLYING OVER PERSH @ ft. WHAT AIRSPACE ARE YOU IN 3			
	(6 c D6)			
	- FROM PERTH TO OTTAWA VOR , WHAT RADIAL DO YOU DIAL IN &			
5) _	(6.5) (1:40) - GIVEN G.P.H., FLIGHT FIME, Z CALLOWS FOR TAXI & CLIMB @ STANHOPS,			
	ZGALS. FOR TAXI & CLIMB O- BELLEWILLD, WHAT IS MIN. FUEL REYMISS. FOR			
	(DON'S FORGES 30 MINISC RESERVE). DAY UFR.			
)				
6)-	- IF YOU FLY AND A HEADING OF 062(?) FOR A TRACK OF 051(?)			
	WHAT IS THE RECIPROCAL HEADING TO KLY DON RESURN!			
7)-				
7)	WHAT IS COMPOSITION OR TRIANGLES OF VELOCISIES FOR WIND & DRIFT			
	PRODLEMS COMPOSED OF?			
	(VARIOUS PARRS OF INFO - CORPACE SALECTION IS: (HEADING, JAS), (WIND & WIND SPULD) (TRACK & GROUND SPEED)			
	(TRACK & GROUND SPEED)			
a)	(SSOU FO AUS.)			
9 -	15 NM NW OF BELLEVILLE, WHOM DO YOU CONTACT FIRST?			
	(VARIOUS THR & UNICOM & FSS FREQUENCES FOR ANSWERS) -(1 SAID TRENTON TWR AS YOUR ABOUT TO ENSER THEIR CZ)			
9) -	AFTER CONTACING BOLLEVILLE / WHAT IS THE CURROUS ENTRY TO THE TRAFFIC			
	AFFER CONTACINE ISOLLEVILLE & WHAT IS THE CURREN ENTRY TO THE TRAFFIC			
	PATSERN : KOLLOWS 4 NOT CHANGE OBVIOUS CHOICES LIKE RIGHT HAND			
	DONNWIND & STRAIGHT IN UN BASE LGG, ETC. (NO L/H DEWNWIND ZNOICE).			
10)	and the state of t			
	DOUBLE TRACK QUESTION: HOW LONG & AT WHAT HEADING DO YOU FLY TO			

GGI BACK ON COURSE & WHAS WILL NEW MEADING BE AFT. 84 YOU ARE ON COURSE E

		(NAVIGATION CONS)		
		(MANIGATION CONT.)		
	,	MAG.		
	[1]	MH QUESS: GIVEN WIND , TAS & TRACK, WHAS AHEADING \$		
		G. S. WILL RESULT, (DON'S FORGET TO ADD MAGNETIC VARIATION!).		
	12)	WHAT IS MAX. MEE ENCOUNTERED FOR TRIP TO STANHOPE TO BELLEVILLE.		
		TO OSTAWA.		
	1	e' ,		
	13)	WHAT DOES "LAPSE RAIE" REFER TO:		
		TOMP.		
		2) PRESSURG 3) 4)		
		3		
		4)		
	TH6			
	14)	WHICH OF THE FULLOWING IS THE MOST LIKELY A CAUSE OF GROUND		
		EFFECT:		
FR.				
		D		
) LACK OF CUSHIONING EFFECT ON HIGH WING AIRCRAFT.			
	2) AIRCRAFT TAKES OFF BUT SLOWLY SETTLES BACK ONTO THE RUNWAY.			
	1	3) AIRCRAFT TAKES OFF BUSIS UNABLE TO CLIMB.		

.

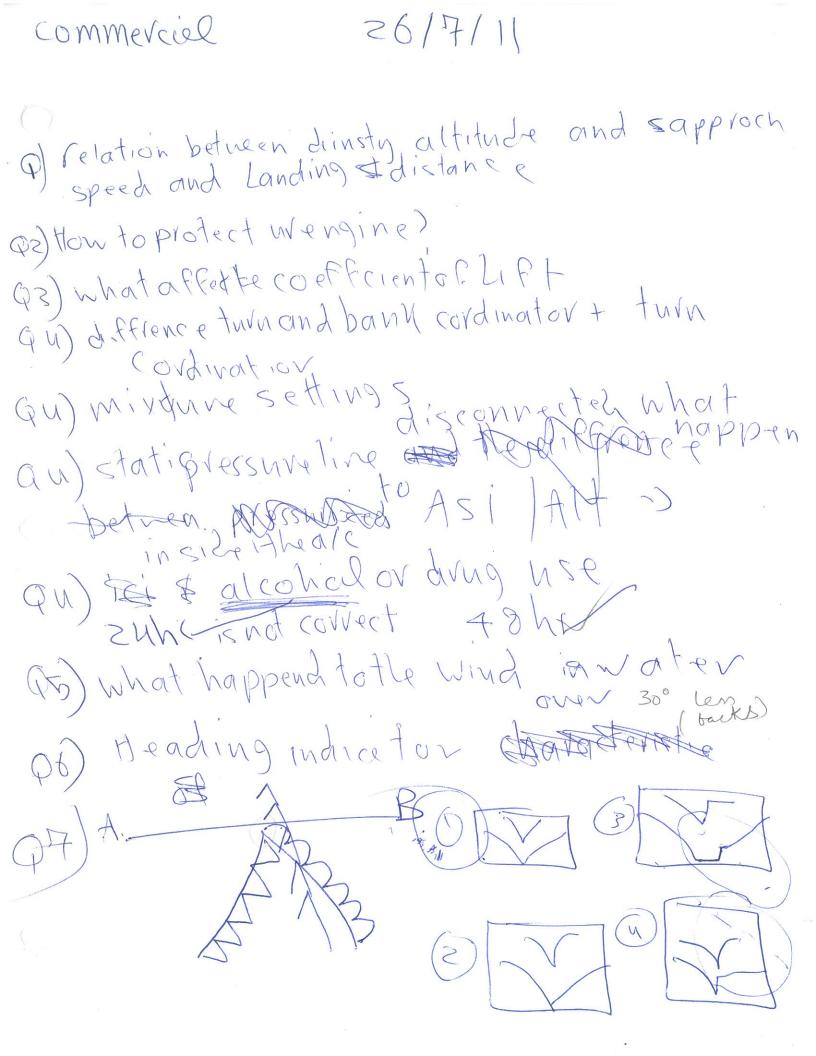
	MESEOROLOGY:
	HAD EXAMPLE OF FA FAF MESARS & WINDS ALOSS.
1)	- TYPS OF WEATHER CONDISIONS TO EXPECT WHEN FLYING THROUGH 3 AIRPORSS BASED ON METAR.
2)	- TYPE OF WEATHER TO EXPECT WHEN ELTIME THROUGH REGION BASED UN FA.
3)-	FLIGHT FROM " TO " TO OFTANA. BASED ON WINDS ALOFT THE NEAD WIND WILL: D 6500 ft (WINDS GIVEN FOR 6000, 9000 ft)
	1) - DECRONSE } FHIS WAS TRICKY AS WIND WENT FROM 280 80 29 2) - INLROASE } FHIS WAS TRICKY AS WIND WENT FROM 280 80 29 3) - STAY SAME. \ MY CHOICE. BK WASH)S SUAE. } 4) - (NW COMPONENT DROPS BY ZKTS.) 78 2 40 5 27
4).	TJ., RAIN, GSC., SHIFFIN SURFACE WINDS.
5)	- RESPREASING BOUNDARY OF COLD AIR MASS IS CALLED!
	2) COLD FRONT 2) OCCUDED FRONT 4) QUASI-SSATUNARY FRONT.
9	BASED ON TAF ARE VER CONDISIONS FORCASS FUR FLIGHTS FROM " TO" " AT XXXX Z?
7)	FR66Z.No LEVEL DASED ON FA?
8)	BASED ON FA, THE FROM OVER " 15:) MOVING 2) BULLDING 3) NOS MOVING & CORROLS.)
9)	FOR THUNDERSTORMS TO DOVELOP YOU REQUIRE:
	(4 CHOICES WITH VARIOUS CONDITIONS).

AGRONAUTICS/	GENGRAL	KNOWL6066

WHICH OF THE FORWARD ARE CONSIDERED "CRISICAL SURFACES" - LANDIM GGAB - 646VATOAS - OSHER STABILIZING SURFACES. FUEL INJECTION ENGINES ARE SUBJECT TO: -> IMPACE 1C6. THROSILLS 166 E50. 3) - FLAPS: INCREASE/DECROASE LIFE & INCREASE DRAG. 4) - WHAT IS MOSS PROPABLE CASE OF ENGINE OIL TEMP. 500 HUS? 1) 500 MUCIN OIL. 2) 700 LITTLE OIL. 3) OIL OF TOO HIGH VIS COSITY. 4) ! STUPIO ANSWER, 5) - COMPASS ERROR IN STEADY CLIMB? 6) - 25 KE WIND (a) 18 O'CLOCK POSITION. WHAT IS CORRECT AILGRON & EXPLATOR ELEVASOR CORTROL POSISIONS. ie LIR ALLERONS UP/DOWN & ELEVATOR UP/DOWN/ NEUTRAL) 7) - TOO HIGH AN OCTANG FUEL WILL RESULT IN: 1) Total FOULED PLUGS 2) FOR DETONATION 3) TOO LEAN A MIXTURE 4) JOO RICH A MIXTORG. 8) - INDICATED STALL SPEED IN TURN.

1, Z, D . N-REASE / DELREASE FOR CLIMBING SURN & INCREASE / DECREASE IN GLIDING TURN

4) INCREASED IN ANY TURN.



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5802 - 508711

Examination questions which are related to the following were answered incorrectly.

- Calculate weight and balance.
- Choose the most useful weather information when planning a cross-country flight.
- Decode a TAF.
- Define terms used to describe sky conditions.
- Define warm front.
- Explain the effect of wind on gliding distance.
- Explain the effect of wing flaps.
- Explain the factors that affect the angle of attack at which an airfoil stalls.
- Explain the relationship between TAS and IAS.
- Explain the relationship between trim control position and trim tab position.
- Extract aeronautical information from navigation charts.
- Interpret and track GPS.
- Interpret the CFS.
- Interpret VFR Navigation Chart symbols and information.
- Recall illusions created by various runway sizes.
- Recall the difference between altimeter setting and MSL pressure.
- Recall the regulatory requirements for a recurrent training program.
- Recall the regulatory requirements for elementary maintenance.
- Recall the requirements to carry passengers at night.
- Recall the symptoms of a spin.
- Recall the trans-border requirements for flight plans.
- Recall when to use a VTA.
- Recognize the conditions conducive to caburettor icing.
- Recognize the effects and hazards of a malfunctioning ignition switch.
- State the regulation regarding the dropping of objects from aircraft in flight.

Commercial templane

03 june 2010

Jonathan King

31 mm Hg?

- How does the mode c transponder works?

- Know the different mixture settings. What are they? Lean/Rich best power, etc

- How does the wind behave over water compared to over land? Strength/direction

- Aircraft icing regulations. know them.

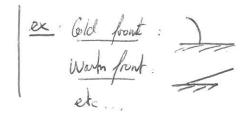
- Infant & child restraints systems regulations.

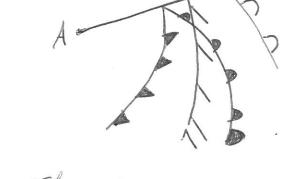
- Training requirements in commercial air services.

- Recognize jet stream speed a turbilence. Isotachs, etc.

Ex: 4 the To decreases, how does the designif behave?

- What is the profile from A to B?





- The airplane is on the ground. The TC indicates as below. What is happening?

Examine Right Rudder

www.tc.gc.ca/civilaviation/general/exams/menu.htm

CPL June 04

Examination questions which are related to the following were answered incorrectly.

- Apply right-of-way rules.
- Calculate ground speed.
- Calculate relative bearing.
- Choose useable radio frequencies.
- Decode a NOTAM.
- Decode a TAF.
- Describe the change in wind from the surface to clear of the boundary layer.
- Describe the characteristics of HF radio.
- Describe the information available from a VORTAC station.
- Describe the movement of air in pressure systems.
- Describe the weather associated with an upper front.
- . Determine true track using navigation charts.
- Estimate flight time.
- Explain the advantages and disadvantages of fuel injection.
- Explain the effect of a vertical gust on stall speed.
- Explain the effects of frozen contaminants on lift and drag.
- Explain the effects of topography on wind.
- Explain the hazards associated with virga.
- Explain the hazards of wind shear.
- Explain what happens to the C of P during a stall.
- Explain why fuel/air mixture adjustments are necessary.
- Explain why TAS and IAS differ.
- Identify class of airspace.
- Identify cloud forming processes.
- Identify possible causes of high engine oil temperature.
- Identify the cause of low level wind shear near thunderstorms.
- Interpret a GFA.
- Predict the reliability of a magnetic compass during a climb.
- Recall the regulatory requirements for starting and ground running of aircraft engines.
- Recall the requirements to carry dangerous goods.
- Recall the restrictions regarding alcohol or drug use.
- Recall the rules that apply to a Class C control zone.
- Recall the rules that apply to the Class F airspace.
- State the rule regarding dropping objects from aircraft in flight.

- · Hyperventalation -> Symptoms: dizziness, tingling of toese fingers, hot and cold sensation, nausea and sleepiness.
- · Determine minimum altitude over water when given note of descend. ex. 1000 lost per any distance gain horizontally

land sounted land in your calculation # Don't forget to add (ASL) of given area if the options are in (ASL)

- · Control inputs for headwind and tailwind during taxi.
- · Determine with runway to use under no winds, consult (CFS)

[·] Carbon monoxide poisoning -> how to tell/now long it lasts

[·] Virga -) associated w/ what

[·] Squalls -) associated w/colafront (fastor slow moving)

[·] visual cue of squall line

[·] Flaps on final -) now effects angle / lift / drag

Flying into wourm front from cold front side -> expect what?

[·] cirrus clouds -> no precipitation · skidding turn / slipping turn.