CAMPBELL HELICOPTERS OPERATIONS (INDOCTRINATION / RECURRENT) EXAM

Name:		Date:		
Refere	nces:	Reviewed & Corrected to 100%		
1. 2.	Company Operations Manual Canadian Aviation Regulations	Ву:		
3. 4. 5.	Aeronautical Information Manual Canada Flight Supplement Canadian VNC	Signature:		
6. 7.	Land and Sea Emergencies Manual NavCanada Weather Manual [The Weather of British Columbia]	Date:		
	m meets the requirements for company indoctrination in accordance with the COM. Section 6 (6.1.1 and 6.6):			
1.	Canadian Aviation Regulations and applicable Standards			
2.	Air Operator Certificate and Operations Specifications			
3.	Company organization, reporting relationships			
	and communication procedures, including duties			
	and responsibilities of flight crew members and the			
	relationship of those duties to other crew members			
4.	Flight planning and operating procedures			
5.	Fuelling procedures including procedures			
	for fuelling with passengers on board and			
	fuel contamination precautions			
6.	Critical-surface contamination and safety awareness			
	program			
7.	Passenger safety briefings and safe movement of			
_	passengers to/from thehelicopter			
8.	Use and status of the Company Operations Manual			
	including maintenance release procedures and			
•	accident/incident reporting procedures			
9.	9 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -			
10	applicable to the operator			
	Accident/incident reporting			
	Passenger on board medical emergency Handling of disabled passengers			
	Carriage of external loads			
	Operational control system			
	Weight and balance system procedures			
	Pre-flight crew member briefing			
_0.				
Meteoro	ology training in accordance with the COM. Section 6			
(6.6): Air	craft icing and other meteorological training appropriate			
to the a	rea of operations			

Page 1 of 13

COMPANY OPERATIONS MANUAL (WITH REFERENCE TO CARS / CASS)

1.	What is the latest Amendment of the company Ops Manual?						
	a) #31						
	b) #33						
	c) #35						
	d) #30						
2.	The Company Operations Manual (COM) is produced by the Operations Manager and						
	approved by Transport Canada. Must there be a copy in each helicopter?						
	a) Yes						
	b) No						
	c) Yes, it must be kept in reach of the PIC at all times						
	d) No, the master copy back in CYXX explains that a copy does not have to be on board.						
3.	The company PICs are responsible to and will ensure a safe conduct of a flight;						
	a) The Chief Pilot						
	b) Ops Manager						
	c) PRM						
	d) Both A and B						
4.	Campbell Helicopters' AMO number isa) 148-92						
	b) 153-56						
	c) 149-82						
	d) 148-35						
5.	Campbell Helicopters' Operating Certificate number is a) 6694 b) 6345 c) 6649 d) 6637						
6.	No person shall operate an aircraft within hrs of consuming alcohol, or while under the						
	influence of alcohol or while using any that impairs a person's faculties to the extent that safety of the aircraft of persons on board the aircraft is endangered in any way a) 6 / device						
	b) 8 / drug						
	c) 12 / device						
	d) 10/ drug						
7.	What are the limitations pertain to operation in the vicinity of a forest fire? No person shall operate an aircraft over a forest fire area or over any area that is located within of a forest						
	fire area, at an altitude of less than; or in any airspace that is described in a NOTAM						
	a) 5NM / 3000 AGL						
	b) 5NM / 2500 AGL						
	c) 3NM / 5000 AGLd) 3NM/ 3000 AGL						
8.	Where two aircraft are approaching head-on or approximately so and there is a risk of collision, the pilot-in-command of each aircraft shall alter its heading to the						
	a) Up						
	b) Down						
	c) Left						
	d) Right						

Page 2 of 13

9.	Campbell Helicopters is authorized to carry commercial passengers and cargo in accordance with subpart of Part VII of the Canadian Aviation Regulations.							
	a)	701						
	b)	702						
	c)							
	d)							
	e)	All of the above						
10.		ell Helicopters Accountable Executive is?						
	,	Laura Siemans						
	b) c)	Bruce Campbell Al Singh						
		Chief Pilot						
11.	VFR 'o	ver the top' are?						
	a)	allowed						
		prohibited						
	c)	night time only						
	d)	Only with a special operations permit from Transport						
12.	CARs 7	02.19 authorized Campbell to carry out what?						
		Operate over water						
		Enter or leave a helicopter in flight						
		Minimum Flight visibility						
	d)	Increase in flight time						
13.		It is Aug 20th, and you've been sent out to pick-up 3 passengers (2 men, and a woman) you've never						
		hat passenger weights would you use to calculate the W&B prior to leaving?						
	a)	185 lbs 155 lbs						
	b)	200 lbs 165 lbs						
	c) d)	210 lbs 180 lbs 206 lbs 171 lbs						
	u)	200 108 171 108						
14.	What does 80.0 US gal of <u>Jet A</u> weigh at 15°C?							
	a)	492 lbs						
	b)	576 lbs						
	c)	518 lbs						
	d)	612 lbs						
15.	Are passengers allowed onboard, enplaning, or deplaning from the helicopter during refueling operations?							
	a)	Yes						
	b)	No						
16.		any conditions must be met, before we commence hot refueling operations on our aircraft?						
	a)	5						
	b) c)	6 7						
	d)	8						
	e)	9						
17.		responsible for maintaining the Flight & Duty Time monitoring? Who do you contact if						
	•	OT may be exceeded?						
	a)	Chief Pilot / Transport Canada						
	b)	PIC / Chief Pilot						

c) Chief Pilot / Operations Managerd) PIC / Operations Manager

Camp	bell Helico	piers Lia Operations Exam 2018-001					
18.	this and a) b) c) d)	'Annex' in our COM describes a passenger safety briefing? How many subsections are in nex? A / 6 B / 6 B / 4 A / 4 C / 3					
19.		Passenger safety briefing Individual safety briefing Briefing of a person other than a crew member Flight & Duty Times					
20.	a)	se of a 2-way radio or cellular phone in flight permitted? Yes No					
21.	An increase in flight time is authorized by Operations Specification 092. This allows Campbell pilots, for any 6 non-overlapping periods of 30 consecutive days within a 365 consecutive day period, to fly to a maximum of:						
	a)	hours in any 7 consecutive days;					
	b)	hours in any 30 consecutive days;					
	c)	hours in any 42 consecutive days;					
	d)	hours in any 90 consecutive days;					
	e)	hours in any 180 consecutive days;					
	f)	the accumulated 30-consecutive day, 42-consecutive day and 90 consecutive day flight times may be reset to zero if the flight crew memberis provided with at leastconsecutive days free from all duty; and					
	g)	hours in any 365 consecutive days.					
22.	Increas Specific	Increase in Flight Duty Time is increased to 15 hours in accordance with Operations Specification <u>93</u> provided:					
	a)	Min rest increased by 1 hr					
	b)	Max flight time does not exceed 8 hrs in 24 hrs consecutive following the 15 hr day					
	c)	Require a 10 hr rest period					
	d)	No external load operations are permitted during this time					
23.	The con	mpany has an OpsSpec that allows a pilot to work up to 42 consecutive days providing you					

- 23. The company has an OpsSpec that allows a pilot to work up to 42 consecutive days providing you had how many days off prior to, and after, any duty exceeding 27 consecutive days?
 - a) 5 consecutive days off prior to any shift that will exceed 27 consecutive days, and 5 consecutive days off afterwards.
 - b) 3 consecutive days off prior to any shift that will exceed 27 consecutive days, and 3 consecutive days off afterwards
 - c) 5 consecutive days off prior to any shift that will exceed 27 consecutive days, and 7 consecutive days off afterwards
 - d) 3 consecutive days off prior to any shift that will exceed 27 consecutive days, and 3 consecutive days off afterwards

Page 4 of 13

Campbell Helicopters Ltd. – Operations Exam

24. Every flight shall be conducted under a VFR Flight Plan or Flight Itinerary.

TRUE / FALSE

•	Campbell helicopters will not be operated, except for the purposes of taking off or landing, over a built-up area at an altitude lower thanfeet above the highest obstacle located within a horizontal distance offeet from the helicopter. a) 500 / 1000 b) 1500 / 500 c) 1500 / 1000 d) 1000 / 500 e) None of these are correct	
•	With reference to the question above, in regards to a built up area, are there any exceptions to types of operations that can be performed below the prescribed limits?	
	-	_
		_
		_
		_
		_
		_
		_
		_
	In areas other than a "built-up area", what are the minimum altitude and horizontal distances that apply?	
	a) At a distance of not less than 500 ft from any person, vessel, vehicle or structure, unless	
	taking off or landing.At a distance of not less than 200 ft from any person, vessel, vehicle or structure, unless	
	taking off or landing.	
	c) At a distance of not less than 1000 ft from any person, vessel, vehicle or structure, unless taking off or landing.	;
	What are the four exemptions about this rule other than a 'built up area'?	
	a)	
	b)	
	c) d)	
	Flights in hazardous conditions such as; are prohibited a) Icing	
	b) Thunderstorms	
	c) Whiteout	
	d) Wind storm	

Page 5 of 13

- Campbell Helicopters Ltd. Operations Exam
 30. All Campbell Helicopters All Campbell Helicopters aircraft will carry sufficient fuel to fly to the destination to which the flight is planned and thereafter for a period of _____minutes at normal cruising speed.

 - b) 20
 - c) 25
 - d) 30
- 31. Complete the following weather minima table as it applies to Campbell Helicopters:

AIRS	PACE	FLT VISIBILITY	DIST FROM CLOUD	DIST AGL
Controlled A	Airspace			
Control Zones				
Uncontrolled	1000' agl & above			
Airspace	Below 1000' agl			

32.	Campbell Helicopters may operate a helicopter in Day VFR flight within uncontrolled airspace at less than 1000 feet AGL when the visibility is one half mile or greater, provided:						
	a)	The PIC hashours of helicopter PIC; a) 500					
		b) 750 c) 1000					

- Helicopter is operated at a _____that will provide the pilot adequate b) opportunity to see and avoid obstacles;
 - a) reduced altitude

d) 1200

- b) reduced attitude
- c) reduced airspeed
- d) all of the above
- Minimum safe flying speed is _____kts for the Bell 212; c)
 - a) 30
 - b) 40
 - c) 50
 - d) 55
- d) Pilots receive PDM training
 - a) On initial hire only
 - b) On recurrent flights only
 - c) Initially and every 2 years thereafter
 - d) Initially and every 3 years thereafter

	pters Ltd. – Operations Exam 2018-001
e)	Pilots receive initial and recurrent flight training for operations in as detailed in as detailed in
	COM Section 6.20. a) Reduced light
	b) Reduced flight
	c) Reduced speed
	d) Reduced visibility
	can you find a copy of a specific aircraft's operational weight and balance and of gravity?
	a) Operations Manual in aircraft
	b) SOP Manual c) Aircraft POH
	d) Yellow Binder in aircraft
	an be utilized in lieu of using an actual weight and balance and under what stances?
The spe	ecific procedures and limitations for the resetting of tripped circuit breakers (CB) can be
	n the appropriate Flight Manual and the Maintenance Manual. As a general rule:
a)	a CB tripped by an unknown cause while on the ground may only be reset:
b)	a CB tripped by an unknown cause while in the air may only be reset:
Pilots v	re required to have completed three takeoffs and landings on type in the last 90 days. who have not maintained this recency qualification but have completed three takeoffs and is in the last 180 days must undergo the following regaining qualification training:
a)	
b)	
Define	"wide-body helicopter".
a)	Means a helicopter with an interior cabin width of 1.5 meters or more
b)	Means a helicopter with an interior cabin width of 1.6 meters or more
c)	Means a helicopter with an interior cabin width of 1.8 meters or more
d)	Means a helicopter with an interior cabin width of 2.0 meters or more
e)	None of the above are correct
Define	"Unforeseen Operational Circumstances".
a)	Means an event beyond the control of the Air Operator
b)	Means an event beyond the control of the Pilot in Command
c)	Means an event beyond the control of the Operations Manager
d)	Means an event beyond the control of the Airport Operator

- 39. Flight Duty Time may be extended by up to____hours for Unforeseen Operational Circumstances. When Flight or Duty Times are about to be or immediately after being extended the Pilot will report the circumstances and details of the extension to_____who will then ensure that the pilot's rest period, following the day extended is increased by____
 - a) 1 hr, Client, 3 hrs
 - b) 3hrs, Operations Manager, the amount of the duty day extension
 - c) 3 hrs. Transport Canada, 3 hrs
 - d) 1 hr, Transport Canada, 1 hr
- 40. In the <u>aircraft</u> logbook, what gets entered, "Air Time" or "Flight Time"?
 - a) Air time
 - b) Flight time
- 41. In your <u>personal</u> logbook, what gets entered, "Air Time" or "Flight Time"?
 - a) Air time
 - b) Flight time
- 42. Hover exit training for aircrew will be conducted
 - a) Initially, annually thereafter
 - b) Initially, every 3 years thereafter
 - c) Initial training only
 - d) Initially, and a 90 day recurrency

AERONAUTICAL INFORMATION MANUAL

- 43. Two aircraft are converging at the same altitudes. Who has the right of way?
 - a) the aircraft that has the other on his right shall give way
 - b) the aircraft that has the other on his left shall give away
 - aircraft of different categories though, the more maneuverable aircraft will give way to the lessor maneuverable.
 - d) Both A & C
 - e) Both B & C
- 44. Within Southern Domestic Airspace, the air-to-air communications frequency for use between pilots is _____MHz and in the Northern Domestic Airspace ____MHz has been assigned.
 - a) 122.75 123.45
 - b) 123.45 122.50
 - c) 126.70 122.55
 - d) 123.75 122.45
- 45. At what altitudes does supplemental oxygen in aircraft become required by regulation?
 - a) 10,000 ASL
 - b) 12,000 ASL
 - c) Required above 13,000 ASL, with a 30 min allowance between 10,000'-13,000' ASL
 - d) None of these are correct
- 46. What are symptom(s) of oxygen deficiency (hypoxia)?
 - a) Drowsiness
 - b) Euphoria
 - c) Sluggish thinking
 - d) Blue finger nails

47.	Overflig	Overflight of fur and poultry farms, as well as caribou or reindeer herds should be avoided below ft agl.				
	a)	nt agr. 1000				
	b)	1500				
	c)	2000				
	,	3000				
	,					
48.		ust an aircraft be equipped with in order to operate in Class C airspace?				
		Mode C transponder				
		Mode S transponder				
		2 way communication with ATC				
	a)	Both A & C				
49.		ontrolled airspace can be considered Classairspace.				
		A,B,C				
		B,C,D				
		D, F only				
		Gonly				
	e)	Fonly				
50.	No perso	on shall operate an aircraft in the vicinity of a forest fire belowft agl within				
	NM of the	he limits of the fire as described by a				
	a)	1500, 2 ATC				
	b)	2000, 5 NOTAM				
	c)	3000, 3 ATC				
	d)	3000, 5 NOTAM				
51.	To impr	ove general visibility of aircraft the use of landing lights is encouraged:				
52.	If you w	ere flying along low-level out in the country and saw a building roof or tall pylon marked				
	with chrome yellow and black strips, what should you assume they are marking?					
	a)	Blasting area				
	b)	Fur farm				
	c)	Glider Hanger				
	d)	UAV operating zone				
52	TD1	'm and all to Common Claims the original and the common Co				
53.		imum height for overflying a blasting area isft agl.				
	a)	1500				
	b)	2000				
	,	2500				
	,	3000				
	e)	3500				
CAN!	ADA FLIG	HT SUPPLEMENT				
54.		an every pilot find fuel weights and unit conversion tables?				
J 4.	w nere c	an every phot find fuel weights and unit conversion tables?				

- - a) COM Section 4.2
 - b) AIM 3.3.5
 - c) CFS Section A45 & A46
 - d) CFS Section C34 & C35
 - e) COM Section 3.3

ell Helicop	ters Ltd. – Operations Exam 201
How can	a Dial-up Remote Communications Outlet be accessed / activated?
-	
The PIC	of an aircraft arriving at an aerodrome utilizing a MF shall report;
a)	
u)	
b)	
c)	
d)	
TD.	
	ders are required in all Class,, andairspace as well as Classandthat
	as "Transponder Airspace".
	A,B,C,D,F
	A,B,C,D,G
	A,B,C,D,G
ď) A,B,C,D,E
G . 1	
	cones are controlled airspace of defined dimensions and extend vertically from the
	f the earth up to and includingAAE.
a)	
	1500
c)	2000
ď	3000
DIAN V N	CS
	<u>- 552</u>
	(0
In Canad	a, what does the symbol 6^8 mean on a VNC?
	·
Decode t	he following – CYD
What doe	es a box with dashed lines surrounding the name of an aerodrome signify?
How can	you locate the highest elevation on a particular chart?

METEOROLOGY

NAVCANADA WEATHER MANUAL

63.	Aircraft icing occurs when super-cooled water droplets strike an aircraft whose temperature is colder than 0°C. The effects icing can have on an aircraft can be quite serious and include:						
	a) Increased drag and weight						
	b) Disrupt airflow across rotors causing decreased lift						
	c) Uneven shedding from rotors causing destructive vibrations						
	d) Water can freeze around control surfaces and restrict movement						
	e) All of the above						
64.	Ice collection efficiency is dependent on three factors:						
	a)						
	b)						
	c)						
65.	Ice pellets which reach the surface are a good indication of & aloft. a) Snow and cold air b) Hail and warm air c) Fog and clouds d) Freezing rain and warm air						
66.	Assuming abundant condensation nuclei, a clear evening sky, and a light wind, what kind of weather phenomenon to develop in the morning? a) Rain and mist b) Fog c) Haze d) Mist and Haze						
67.	The environment in and around a thunderstorm can be the most hazardous encountered by an aircraft. In addition to the usual risks such as severe turbulence, severe clear icing, large hail, heavy precipitation, low visibility and electrical discharges within and near the cell, there are other hazards that occur in the surrounding environment. Identify three main hazards:						
	a)						
	b)						
	c)						

AERONAUTICAL INFORMATION MANUAL

68. Cloud bases reported in METARS and TAFs are always stated in heights **AGL/ASL** and in GFAs they are reported in **AGL/ASL**.

69.	Area	Forecasts (GFAs) are norr	mally issued	minutes	before the beginnin	g of the
cover	age perio	od. Each Gl	FA consists of	two charts: one	depicting		
			and t	the other depictir	ng;		
70.	If the	IFR Outloo	ok section of th	he GFA indicates	VFR, you c	can expect the ceiling	g to beand
the vi	sibility to	o be					
	a) >	- 3000 AGL	> 5 SM				
	b) >	3000 ASL	> 5 SM				
	c) >	1000 AGL	>3 SM				
	d) >	-3000 AGL	>3 SM				
71.	Wind	ls reported i	n a TAF are pr	rovided in TRUI	E/MAGNE	TIC?	
70	D . C	DDOD20	1 . 1			n	
72.	Denn	ie PKOBSU	and what is its	ts use restricted to	In the I AF		
72		·c .1 .C.11		1 6 1	METAD		
73.	Ident	ify the follo	wing weather	codes found in a	METAR:		
	a)	PL			d)	FU	
	b)	GR			e)	SHRA	
	c)	BR			f)	MI	
74.	Asses	ss the follow	ving:				
	SPE	CI CYYU 0	12131Z 30010	0KT 10SM -DZ	OVC004 R	MK ST8	
)08KT 3SM -DZ	BR OVC0	03 08/08 A2970 RM	IK FG3ST5
	CIG	RAG SLP)66				
	SPE	CI CYYU 0	12051Z 31009	9KT 3SM -DZ E	BR OVC003	RMK FG3ST5	
	MET	TAR CYYU	012000Z 310	009KT 1SM -RA	BR VV002	2 08/08 A2968 RMI	X FG8 VIS
	VRB	3/4 - 11/4 \$	SLP059				
	SPE	CI CYYU 0	11910Z 33008	8KT 1SM -RA I	BR VV002 I	RMK FG8	
	MET SLP(011900Z 300)12KT 1/2SM -D	OZ FG VV0	02 08/08 A2967 RM	IK FG8
			941Z 0120/02 BR OVC004		M -RA -DZ	Z BR VV002 TEMP	PO
	FM0 OVC		0KT 2SM -DZ	Z -RA BR OVC	005 TEMP	O 0122/0208 6SM I	3R
	RMF	X NXT FCS	ST BY 020200)Z			

Is the weather improving or getting worse?

a) Improving

When can you expect the weather to go below VFR?

When will the weather begin improving to VFR or better?

Page 13 of 13