

# LEVEL TWO ASSESSMENT STUDY GUIDE

Test Date: May 25<sup>th</sup>

Time Given: 1 hour 15 min

Format: 35 Multiple Choice Questions

## **Categories** *(review over notes from lessons and review night)*

- Leadership
- General Cadet Knowledge
- Canadian Aviation History
- Principles of Flight
- ID Characteristics of Piston Powered Aircraft
- Aerospace
- Aerodrome Operations
- Aircraft Manufacturing and Maintenance

GO OVER THE NOTES YOU'VE TAKEN FROM CLASSES OVER THE YEAR!

## **Possible Topics:**

- 1) Squadron responsibilities of a level 2 cadet
- 2) Examples of demonstrated skill
- 3) Different types of communication and examples
- 4) What 3 things is communication comprised of?
- 5) How would you describe a problem to a recruit or level 1 cadet
- 6) Personal integrity
- 7) Date cadets was formed
- 8) The 2 different organizations that support 180 Mosquito
- 9) Sea Cadet ranks – be able to recognize \*
- 10) The equivalent ranks in the 3 cadet elements (air/army/sea) \*
- 11) Battle of Britain – key dates and opposing forces
- 12) Remembrance Day in Canada – significance, first Remembrance Day, etc.
- 13) 4 Forces acting on an airplane & axes of motion on an aircraft
- 14) Newton's three laws of motion
- 15) Angle of attack
- 16) Types of drag & relationship between drag and airspeed
- 17) Aircraft parts, where they are located and their role, their centre of gravity
- 18) Types of planes (eg: glider, B-24 Liberator, C-130 Hercules, etc)
- 19) Types of aviation engines (which are more commonly seen?)

\*diagrams provided on study sheet to review

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- 20) Piston Powered Engines (combustion, valves, etc.)
- 21) Power stroke & Exhaust stroke roles
- 22) Crankshaft (revolutions, etc)
- 23) Oil and how it provides a seal
- 24) Air Controller's role and concerns
- 25) Astronauts and their first few days in space
- 26) Meaning of RADAR and GMC
- 27) Aircraft systems used in the assembling of an Aircraft
- 28) Non-ferrous metals
- 29) Types of landing gears

## Cadet Rank Progression / Progression des grades de cadet

Sea Cadets Cadets de la Marine							
	Ordinary Seaman (OC) Matelot de 3e classe (mat 3)	Able Seaman (AB) Matelot de 2e classe (mat 2)	Leading Seaman (LS) Matelot de 1re classe (mat 1)	Master Seaman (MS) Matelot-chef (matc)	Petty Officer 2 <sup>nd</sup> Class (PO2) Maître de 2 <sup>e</sup> classe (m2)	Petty Officer 1 <sup>st</sup> Class (PO1) Maître de 1re classe (m1)	Chief Petty Officer 2 <sup>nd</sup> Class (CPO2) Premier maître de 2e classe (pm 2)
Army Cadets Cadets de l'Armée							
	Cadet (Cdt) Cadet (cdt)	Lance Corporal (LCpl) Lance caporal (lcpl)	Corporal (Cpl) Caporal (cpl)	Master Corporal (MCp) Caporal-chef (cpic)	Sergeant (Sgt) Sergent (sgt)	Warrant Officer (WO) Adjudant (adj)	Master Warrant Officer (MWO) Adjudant-maître (adjum)
Air Cadets Cadets de l'Air							
	Cadet (Cdt) Cadet (cdt)	Leading Air Cadet (LAC) Cadet de l'Air première classe (cdt 1)	Corporal (Cpl) Caporal (cpl)	Flight Corporal (FCpl) Caporal de section (cpls)	Sergeant (Sgt) Sergent (sgt)	Flight Sergeant (FSgt) Sergent de section (sgts)	Warrant Officer 2 <sup>nd</sup> Class (WO2) Adjudant deuxième classe (adj 2)

\*diagrams provided on study sheet to review