

**HONG KONG AIR CADET CORPS
Training Group**

Aviation Quiz 2010

Sample Questions

A. General Aviation Knowledge

A.1 Aircraft General Knowledge

E.g. What kind of fuel contamination is in the 4-stroke combustion engine if it emits White smoke exhaust?

Ans.: Water

A.2 Aerodynamics

E.g. In a powered flight, during a climb at constant airspeed, is Lift > Weight?

Ans.: No

A.3 Radio Communication

E.g. What is the standard procedural words for “I receive and understand all of your message”?

Ans.: Roger

A.4 Meteorology

E.g. What is the pressure at international standard mean sea level in hecto-pascal?

Ans.: 1013.25 hpa

A.5 Navigation

E.g. Convert one nautical mile into meters.

Ans.: 1852m

A.6 Performance

E.g. During flight, when flaps are extended, there will be an increase in Lift or Drag or both?

Ans.: Both

A.7 Human Factor

E.g. If the pilot is flying in cloud, a deceleration may be interpreted as a climb or descent?

Ans.: Descent

A.8 Air Law

E.g. What is the minimum age for obtaining a private pilot license in Hong Kong?

Ans.: 16 years of age

B. Civil Aviation

B.1 Aircraft Recognition

E.g. Show a picture and determine the model of the aircraft.

B.2 Aircraft Manufacturer

E.g. Name the manufacturer of L-1011 Tri-Star.

Ans.: Lockheed

B.3 Power Plant Provider

E.g. Please specify the engine models / types using on a typical Airbus A380.

Ans.: Roll Royce Trent 900

B.4 Global Destination

E.g. Please specify the time zone offset between London, UK and Hong Kong based on the standard time.

Ans.: 8

C. Military Aviation

E.g. Aircraft Recognition / Manufacturer / Role / Aerobatics Movement / Equipment

Who is the military operator of the McDonnell Douglas (Boeing) F/A-18A?

US Air Force / US Navy / US Marine Corps?

Ans.: US Navy

D. Hong Kong Civil Aviation

E.g. Aviation organization / CLK and Kai Tak details / Current affairs

Please specify all runway destinations of the old Kai Tak International Airport.

Ans.: 13/31

E. History of Flight

Development of airplane, space shuttle

E.g. When, in year, was Cathay Pacific Airways officially established in Hong Kong?

Ans.: 1946

F. Dialogue Reading

A dialogue will be read and questions will be based on the information in the dialogue.

G. Video Show

A short video will be shown and questions will be based on the information in the video given.