

Airman



Complete the following:

(A) Flight Safety and Aviation Concept

1. Have basic understanding of the aviation industry in Hong Kong.
2. Have basic understanding of airport facilities.
3. Understand the aviation safety rules for tourists in the airport.

(B) Aviation Knowledge

1. Have a basic understanding of aviation history.
2. Know the usual units for aviation.
3. Know the different types of aircraft.
4. Understand and know the use of phonic alphabets and common conversations.
5. Know the basic parts of a modern aircraft (including fixed wing, rotary wing and military aircrafts).

(C) Fixed Wing Aircraft

1. Understand the principle of an aerofoil.
2. Understand the basic principles of flight of a fixed wing aircraft, including:
 - 2.1 Understand the function of the control surfaces.
 - 2.2 Know how a fixed wing aircraft flies.
 - 2.3 Explain the relationship between weight and lift, and thrust and drag.
 - 2.4 Explain the reasons why lift is created and factors affecting lift, explain the reasons for a stall.
 - 2.5 Explain the function and operation of slats, slots and flaps.
3. Explain the meaning of 'trim' and the importance of weight and balance.

(D) Aircraft Recognition

1. Recognise at least 12 common aircraft found in Hong Kong, including civil aircraft, military aircraft, helicopter and light aircraft, from the photos provided by the examiner.

(E) Practical

1. Make a wooden or paper hand glider with wingspan not less than 20 cm that can fly for not less than 5 seconds and can make the glider fly straight or turn by the adjustment of control surfaces.
2. Make a kite, explain its flying and takeoff method, and understand the safety rules and law governing kiting. Know the hotspots of flying a kite.