

FLYING PROFICIENCY EXAMINATION

For WESTERN AUSTRALIAN MODEL AIRCRAFT SPORTS CENTRE INC. SILVER WINGS

The following shedule has been formulated to assess an individual's proficiency in the knowledge and flying of radio controlled miniature aircraft. It is a prelude to the gold wings schedule and many of the manouvers are the basic ' building blocks ' to far more complex manouvers. The pilot attempting these manouvers is not expected to display manouver excellence but a reasonable level of proficiency.

The theoretical aspect of this examination is optional - ' at the discretion of the instructor ', however it is recommended the pilot attempt these questions to increase their knowledge of general aerodynamic principals.

1	2	3	4
INTO WIND	L - R / R - L	L - R / R - L	INTO WIND
TAKE OFF	PROCEDURE TURN	2 AILERON ROLLS	2 INSIDE LOOPS

5	6	7	8
L - R / R - L	INTO WIND	INTO WIND	L - R / R - L
CUBAN EIGHT	INWARD EIGHT	OUTWARD EIGHT	IMMELMAN TURN

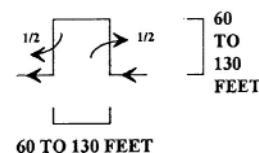
9	10	11
INTO WIND	INTO WIND	INTO WIND
TOP HAT NO ROLLS * SEE NOTE	TOUCH AND GO	RECTANGULAR CIRCUIT AND LANDING

NOTE:

MANOUEVER 9: FROM LEVEL UPRIGHT FLIGHT PULL UP TO VERTICAL PUSH DOWN TO HORIZONTAL PUSH DOWN TO VERTICAL PULL UP TO RESUME LEVEL UPRIGHT FLIGHT.

THE DIAGRAM BELOW SHOWS HOW THIS MANOUEVER IS SHAPED AND NORMALLY ONE HALF ROLL IS EXECUTED IN EACH OF THE VERTICAL FLIGHT PATHS.

QUESTIONS:



- 1: EXPLAIN THE TECHNIQUE FOR EXECUTING A TWO TURN SPIN?
- 2: WHICH OF THE THREE BASIC CONTROL SURFACES ARE REVERSED WHEN FLYING INVERTED?
- 3: EXPLAIN THE TECHNIQUE FOR EXECUTING A STALL TURN?
- 4: EXPLAIN HOW DIEHEDRAL MAKES AN AIRCRAFT MORE STABLE?
- 5: DEFINE WHAT IS MEANT BY THE TERMS:
A) WING ROOT CHORD B) WING TIP CHORD C) MOMENT ARM D) WING LOADING
- 6: WHAT EFFECT IS NOTICED ON AN AIRCRAFT WITH A CENTRE OF GRAVITY 'C OF G' TOO FAR AFT?

THIS IS TO CERTIFY THAT: Name: _____

Address: _____ CLUB: _____ MAAA Number: _____

HAS SUCCESSFULLY PASSED THE SILVER WINGS PRACTICAL AND THEORETICAL EXAMINATION
VIA APPROVED **MAAA INSTRUCTOR** - Name: _____

CLUB

MAAA Number:

Date: