

LOADING AND PERFORMANCE CALCULATIONS

Student	
Date	

1. LOADING

Refer to the relevant aircraft documentation and calculate the all-up-weight and centre of gravity for aircraft **G** -

<u>Item</u>	<u>Weight</u>	<u>Arm</u>	<u>Moments</u>
Basic Weight			
Variable Load (Pilot)			
Fuel (imp. Galls)			
Oil (Imp. Galls)			
Passenger (row 1)			
Passenger (s) (row 2)			

Answers:

Weight at take-off		
C of G at take-off		
Weight below maximum limit?	Yes	No
C of G within limits?	Yes	No

2. PERFORMANCE

Complete the following prior to Skill Test / Prof. Check

Runway Length		Surface wind	
Runway surface		Runway slope	
Ambient temperature		Aircraft Operating Weight	

Now ascertain by reference to the Aircraft Performance Manual the estimated take-off distance (to height 50')

Answer:	
---------	--

Now ascertain the estimated landing distance (to clear 50' obstacle)

Answer	
--------	--

Can the flight be safely made?	YES	NO
--------------------------------	-----	----