Name:	
Partner:	
Section:	
Date:	
Desk No	

This lab report template is for reference only. Please write your lab report on a separate paper.

Zero mark will be given if you write on this lab report template.

# **Title of the Lab Report**

#### Purpose

• State the purpose of this experiment.

#### Apparatus

- List of apparatus
- Diagram of the experiment setting (with labels)

# Data

Table 1: Mass of carts and bars

	Mass (g)	Number of counter mass	Uncertainty (g)
Cart CC			
Cart DC			
Mass bar A			
Mass bar B			

Table 2: Distance traveled and time interval

	Time (s)	Start position CC (cm)	End position CC (cm)	Distance traveled CC (cm)	Start position DC (cm)	End position DC (cm)	Distance traveled DC (cm)
Case 1							
Case 2							
Case 3							
Uncertainty							

# **Calculations**

# Table 3: Momentum Calculations

	Total mass CC (kg)	Speed CC (m/s)	Momentum CC ( )	Total mass DC(kg)	Speed DC (m/s)	Momentum DC ( )
Case 1						
Case 2						
Case 3						

Sample Calculations (Keep 5 non-zero digits and underline the last sig. fig.)

- Total mass of CC in Case 2 = mass of Cart CC + mass of bar A
  - = \_\_\_\_\_kg + \_\_\_\_\_kg
- Total mass of CC in Case 3 =...
- Speed and momentum calculation in each case.

# Conclusion

- Copy and fill in Table 4 in lab manual on page 3.
- Write down your result of the experiment (with correct number of sig. fig. and units).

# Discussion

Answer the 3 questions in the discussion session in your lab manual.