PHYSICS PAPER 5 (PLANNING QUESTION)
EXAMPLE OF AN ACCEPTABLE FORMAT (GENERAL GUIDELINES)

DEFINE (3 marks)

1.) Independent variable: _____
2.) Dependent variable: _____
3.) Variable to be kept constant: _____

PROCEDURE (5 marks)

1.) Draw a workable diagram (if it is a circuit diagram, sometimes – 2 marks)
2.) Describe independent variable: how to vary it
3.) Describe independent variable: how to measure / what instruments used
3.) Describe dependent variable: how to measure / what instruments used
4.) Describe how to control & maintain the variable that should be kept constant.
5.) Repeat the experiment by changing the independent variable (mention the range / interval of change)

ANALYSIS (2 marks)

1.) A graph of ____ vs _____ is plotted.
2.) If the graph is a straight line (passing through origin), then _____
3.) Identify gradient & y-intercept

SAFETY / PRECAUTION (1 mark)

1.) Safety boots, safety goggles, rubber gloves, do not look into light source directly, use lead box (radioactive)

DETAILS (4 marks)

Improvements / good physics / detail explanation of the experiment.
1.) Show equation in the form of $y = mx + c$.
2.) Repeat experiment for each (fill in the blank with the independent variable) and find average.
3.) Identify the use of better equipment.
4.) Conducting a preliminary experiment if necessary.

(Please refer to sample past years answers for this section)